

<220>

<221> misc\_feature

<222> (249)..(249)

<223> n=unknown

<220>

<221> misc\_feature

<222> (393)..(409)

<223> n=unknown

<400> 638

```
gcgaaactga gatgcgggca ttgggccctg ggaagcgtgg ggaaggggaa aggagaaagc 60
caggttaact acgtcaggat taatgtgttc cacttctgct gcctgagaaa atggagaaat 120
taagtccttt ccattggatca ttcttctgt aaacagagat caciaagcaa gagcttcagc 180
atcctcgtga aaaagacatt ttgttctggg tgcatcatc tccttccact acagcttgca 240
attggaacna gcttcacatc ctgggggtgc tgcctatctc tgtcttgatt tctgtctgtc 300
tattcctccc attgacagga atgtcgtttg tctctccac gcagcagttt gcagaaatcc 360
cagcaagggt tatggtttat gttgccccac atntataaaa caciaacgnt ctcaaagtct 420
ttttaaaaa 429
```

<210> 639

<211> 479

<212> DNA

<213> homo sapiens

<400> 639

```
tggggggtgtc aggggcaggg gagacgggcc ctgggggtgt caggggcagg ggagacgggc 60
cctgggggca agcgaggttt cagggtcact tgggggtgtc agagccaagc tgtgacccta 120
gtgccgtgtt acttggcaga agccctgcct gttcccatc ctgtaaagtt aggcatttgg 180
gggtgtccat cgtgagcctc cttcctgtc taacattcag cgtgggtttg agggccgtgg 240
gcatggagct gtccgtcacc cttgtcagtc gggcacctcg tcctggggtc ccaggtggag 300
```

gtctctggaa gcccttgctg agctgggctg ggagctcctt tgccctgacc ttgttggtgc 360  
 cgttgacctc cttcatggga gcatctgggc ttgactgggg cagccaccag cacatgaggc 420  
 tcccgtcttg gaagcagggg gcacactggt gtgtgggaac tggcttaagg ccctgcttc 479

<210> 640

<211> 539

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (532)..(532)

<223> n=unknown

<400> 640

attactgcc a tttttaaatg aataaacctc taatttttcg attttccttt ttgacagtga 60  
 atgtctaagc catataaaca cagccttccg ggccaggggt tgccctgggc cactcacaag 120  
 agtgtagctt gaacaggagc ttgaccgtgt agtggtagag gtggctgcag tcctggatga 180  
 cctggatgag gggggccagg cggcactggc ctgaggacat ctgggatacg gcgatggccg 240  
 tggtgagctg tcggaaaact gtgcaaaagg ggcaggagga agaactgag cccttgggag 300  
 ctgggcaacc tgtccaaggt ggtccaactg tgaagcaggg ccctaagcca gctcccacac 360  
 accagtgtgc cccctgcctc caagacggga gcctcatgtg ctggtggctg ccccagggtca 420  
 agaccagatg ctcccatgaa ggaggtcaac ggcaacaaca aggtcagggc aaaggagctt 480  
 cccagcccag ctcagcaagg ggttccagag accttccaac ctgggagccc anggaacga 539

<210> 641

<211> 383

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (97) .. (97)

<223> n=unknown

<400> 641

```
gcctgggggca gaaatggctg caagtggccg aggtctctgc aaggctgtgg ccgcctctcc      60
cttcgcgggcg tggagacgag ataacacgga agccagnnga ggtctgaagc ctgagtatga      120
tgcgggtggtg ataggagcag gacacaacgg actggtggct gcagcgtacc tgcagagact      180
gggggtgaac accgccgtct tcgagaggcg ccatgtgatc gggggtgcag ctgtcactga      240
ggagttcatc ccagggttta agttctcccg tgcgtcctac ctgctcagcc tgctgaggcc      300
gcagatttac actgatctgg actgaagaaa catgggctga ggcttcatct tcgaaacccc      360
tactccttca accccatgct gga                                             383
```

<210> 642

<211> 514

<212> DNA

<213> homo sapiens

<400> 642

```
gaggcatggg cataagggtca acttgacta aatgtaactc gtacgttttt tctaaaataa      60
tttcttgagc attgtggtgg ccttatgtac taaccgaag ctgaacttcc tgggaagctg      120
atccaatgga gcacttgga ttcaggggtg gagtcttctt cctgggtcag agctggttca      180
gggtcacatg ctcttgaggt ccctaaaggc cacatgtgct gcatttcgcc cagcagctcc      240
catcacacct cctccaggat gagccccact tccacagaga tacaggccct ggagagggca      300
gcggtagcca gaatgcaggg gcacggggcg ggtgaagtag agctggtcca gggacatggc      360
gcagtggaat atgttccctc caggaagccc gaagattctc tccaaatctg gtggtgtgag      420
gatgtctctg ccaaccacag agtccttgaa gccaggggca tagacctga tgcaatcgaa      480
cactctgtct gcataagcgt ctctctctg ctctg                                             514
```

<210> 643

<211> 241

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45) .. (45)

<223> n=unknown

<400> 643

```
aattttctgt atttttaaaa tgatcatggt ttgactact aaagnaccta tgggactttt      60
ggtgtatggt tagtattttg gaagtgtcta gtcgagggtgc tagaataaag ggatataaaa      120
tttgcaaagc tggacaaata aaagtcattg gaggcaagta gagatgggaa aaaattcaga      180
acagcagaat gaatcattct acttccatca tgctatactg aataatttaa ttgcttgca      240
t                                          241
```

<210> 644

<211> 500

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (368) .. (478)

<223> n=unknown

<400> 644

```
tagaaatgga catataacaa agagttcaat ttgagaaaat gtggtgatag gtagaacaag      60
gagaaattgt ttcaattctg aatttactcg catattccta ttagctgtta ctgatctaaa      120
acatctcctt aaatccaaaa caaaacaata gttacaagtt cactgatggt ttcatgggca      180
ctcacccaag taatgtccaa acaatatttt tccatgtccc cctccccca gaacacacac      240
aggcaaaggc agagatgttt actgtgaggt cacatggcat gaagcaaagc cagccttatt      300
tgtttattat tacaacagcc agttagcatt ggcaaagtgt ctttggttac aaacatgggt      360
tctgctanta atttcatgna gnagctttta ggatatgtga ccatttattc ttagtataat      420
cnatcnttgn aggntaaaaa tcagagtata aaagtttata ctctggcnaa tataaatnca      480
```



tgcacagaag tttctgacag

500

<210> 645

<211> 290

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (186)..(186)

<223> n=unknown

<400> 645

aaaacaataa atttatagta aatgtggtat taaatgatac catagtgatt caagatatag 60

ttgaagaact attaattctt aagtataata aaggtataaa ggtattgatc ttacatttat 120

aaaataagac cttatttctt agagatacat actgaagtat tacagaagaa attacatatc 180

tgaganggga gggcagcgta tggatgaaat aagactagag atgaattgat aatggctgaa 240

gctaggtgtt gagtacatga gagttcatta tagcatttct ctacttttgt 290

<210> 646

<211> 556

<212> DNA

<213> homo sapiens

<400> 646

aggacgataa atgattccat gtggataggg cataacatac agagaatgag actatgccag 60

aaatgggagg aggcatttga aacaacatga gtatctcagg gacagatgga ttgattctgc 120

tattggtagg cctggaaggc aaggtcagaa gtagcaaaaa atggatacca aaagcactat 180

tagtcacca agctaagtgg aatagctggc ccagtaggag aaatgcagg tttgctctac 240

actaagttct ccaactcttg ataagcctcc aaaaacaaat gttaggggaa aaaaacgcag 300

ctggttatga aaagatatat ctcatctcat taaaaaatca atgtcaatgc tgttaataga 360

atccttttat cttcaggaca gaggcaatgc cctaaacaaa caccagctca agagcctctg 420

atgccaacct agaggggtacc caaacacaaa cttagcatag aggtaagaat ctctatgtct 480

tttgggtggag gcaaagccat ttggttggtta cttcacaggg acatctttct accaagtctt 540  
catcatatgg gatgtg 556

<210> 647

<211> 438

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (126)..(126)

<223> n=unknown

<400> 647

agcacagata atggttaagtt taattagtta cctttatggt gacagctgta aaatatcaga 60  
aatgtgcttg ataacttttaa gaattttaat aatttccttt gtccctgttc tcactacatt 120  
cagagncaact tctggattaa ttcatttgac ttacagggca tgtactttgt ctccctctgtg 180  
ctgctgatcc gaatgagtat gccttttagaa taccgcacca taatcactga agtccttgga 240  
gaactgcagt tcaacttcta tcaccgttgg tttgatgtga tcttcctggg cagcgctctc 300  
tctagcatac tcttcctcta tttggctcac aaacaggcac cagagaagca aatggcacct 360  
tgaacttaag cctactacag actgttagag gccagtggtt tcaaatttga tataagaggg 420  
gggaaaaatg gaaccagg 438

<210> 648

<211> 534

<212> DNA

<213> homo sapiens

<400> 648

tgagaagcag tgtttgacac ccttctcccc caatccagcc atcccccaag tctgagttag 60  
gtatttctct tctgtattcc catagcacag tgtaattccc ctataatagc atgtatcacc 120  
ttgaattatg ggtggttatt gttctgtctc tctgtttaga acgaaagctc catgaagggg 180

ttgtcatttt attcaccagt gtaccctcta tgcccagcac aacttttggc catatttaa	240
aaagaatgaa taaataaatc caagagcata ggaggaggag catccaaatg agcctgaaaa	300
attagagaaa tatttgtagt agtatgtgat atcttagctg agcttaacaa gtataatgag	360
atcaagagtt tggattgaaa atgagggtact caggaataaa cgatttctga ggtctctaag	420
atattataaa actttattga aagatctaag aaaatttaat gaaacacatt gtccttatta	480
atctataaat atagttttta ttaaaattct cccatctggg gcctcccaaa acac	534

<210> 649

<211> 502

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (198)..(261)

<223> n=unknown

<220>

<221> misc\_feature

<222> (408)..(408)

<223> n=unknown

<400> 649

tcaccacaga agtatgatga tgccctgtatg cttttctaag tgtttttaaat tagctgaaga	60
aatttccttt tattgctagt ttgttgtaaa tttttatcat gagaatgttt aaaatgtgtc	120
aattttcctg ttgagaggat tatattgtct ttgtcagggg ttagtaccag gtttaccagc	180
ctcaaaaaat gaactggnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnnnn naattaaaac tatatttata gattaataag gacaatgtgt	300
ttcattaaat tttcttagat ctttcaataa agttttataa tatcttagag acctcagaaa	360
tcgtttatcc ctgagtacct cattttcaat ccaaactctt gatctcanta tacttggtta	420
gctcagctaa gatatcacat actactacaa atatttccta atttttcagg gctcattttg	480
gatgctctc cctcctatgg ct	502

<210> 650

<211> 408

<212> DNA

<213> homo sapiens

<400> 650

```
acacggtgtg acgggcacag gcctcctcag ctggtggaaa ggggtgtgagt cccacaggtc      60
tgccattccc attaggggtct ttgaccttgg ccattgctct ttgacttttt tctgggtgta      120
ccgaggttta ggggagttgt agatatttgc ctgaaaacct agtaccatgg tctttggctc      180
gggtgcctga gagaccgat tcaaatacaca ttgtgcgagt gttctagagt gagggccggg      240
gggggggaat gtaaccggaa atgccggcag gacttctggg gccgggataa gtgggatgtt      300
cgtttgatta gatgcctccc ttctgggtcc tgcgttgccc accagtgtcc cctcgaggga      360
cagtgaagcc atcagcctgc ctggcagcca atgtgacccc tgccacca      408
```

<210> 651

<211> 457

<212> DNA

<213> homo sapiens

<400> 651

```
caacaatcgt aagccacgcc tgtgtacaca gcagggtccc tacgctctgg caaagcatcc      60
aggccttttt aagaccacct gttctaaaag caaatctaca ataagaatgc aaccaagcca      120
ggccgcactc cccgctgagc acacgcctgg aagcacgttc tagatcctgc acccatctcg      180
tctgcctcca gccagggccc tggctcgcca gcctttggtc tcgaactttg tttctgagaa      240
cacagcagac atacaggggtg ctgggagagg acaaggaagc cagcccctag agcagcaggt      300
gctcaccggg ccgcccacca cactgaggcc acgccagctg gaccagcccc tccagggccc      360
ctgcgcttgg caccgggcgc ccagccagct cttgggtccc gtgagcactg tgtgcactca      420
tttcatggcc tgtttatctg cccaaccaag aaaacag      457
```

<210> 652

<211> 439

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(4)

<223> n=unknown

<220>

<221> misc\_feature

<222> (242)..(437)

<223> n=unknown

<400> 652

aaanaagata tttattgatg gtaaaagaaa tgtttctgaa actttttggt catataatgt 60

aattttgtta tatatcattt tatgaacaaa attacattat aatatgtgta ctgttacaag 120

gagtatgttt tgctttgcag ggggtataatt tagactgctt tttattgtgt atagggggag 180

gttgtcttgg gaataaggga agattgtaaa atgtattcag accttgggat tttaaaaata 240

tntatatttt ttatntantg aaaaatgcnt aatatcaaataaaaatgatga ttctttcatt 300

aatgaagggt agaatacatt agaaaaaaca taaagataat actaatgntn aaattaggac 360

tttggctatg aacatggcta tttaaaagct canctttttg gnaattatgc aaatgtaaca 420

ggaaaaaaa aaaaaangg 439

<210> 653

<211> 493

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (123)..(123)

<223> n=unknown

<220>

<221> misc\_feature

<222> (460)..(460)

<223> n=unknown

<400> 653

gcagaaaatg tcagcagtgc tgaggctgag aagtcgtggc ctgaactacc ctctgccttc 60

tagatccaca cacagtgttc acatgggtga gactcccttc taggtgtccc ctcttttttc 120

tantttaaaa tttgttttaa attcaacttt acagcagtaa tccaagagt tttaaatagc 180

aattatttgt catgtttaat taactcctaa catgatctgt gtgcacctgt acacattttt 240

cagctaattg caaatcatat tgaatacatt atgttctccc atatataaaa attcatgcat 300

gagcaaagca ttttgaacat ccatgaaaaa ccccatggcg ggctgcatg gtgtggtttg 360

ctaaggcatc ccttggttga taggattcgt ttaaaggctc tctagtata gagtgcaatg 420

cgataaacat ttatcttttc ttacctttgt cctgtctctn tggggctggt ttcaaaagtg 480

gaattgctgg tca 493

<210> 654

<211> 374

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (41)..(47)

<223> n=unknown

<220>

<221> misc\_feature

<222> (290)..(325)

<223> n=unknown

<400> 654  
ctgaatcgtg tgactgcagc aggtgtggtg ctctacagag naccatntcc cagggctctc 60  
tcttttcctt ttcttcactt cctgttttat gctcagtttt ctagcctggg aactgttctt 120  
cttttttttt ctttcagttt tcttcattta attattttta ttccatgaat ttaagaccct 180  
agatcttcat gtaaatgtgc tctttgagct tcttaactgg tctttcctat cagcagaagg 240  
cgatgtcttg tgctaaaatc tcagtgtcaa ttcagtgatt taactaccan ggctttactt 300  
tcgtttcctt tcatatccca agnanttctt cacttctatc tagctgtttg cttttatggt 360  
tgatcaacca tgaa 374

<210> 655

<211> 340

<212> DNA

<213> homo sapiens

<400> 655  
ctgggatacct ctgcagcttt gatcctgctc ttaggaaaat gctggaggcc tgggtgggggg 60  
tgctgtgtgt ccaactgtccg acctgccttg gtgccttggc ttctcctccc atgctgcgtc 120  
tggctgtgcc acttccccaa gccagcaaag tctggtctga gagcataaag gatacggagg 180  
ctggacttcc cctggccagc ctgtggacca ctggggggct gcttcccatg cagtttgagt 240  
cagcaaatat tgaccagggg ctgctctgtg ccaggcctcg ggggagggct ccaggccccg 300  
aggtgagcca cacgcatggc agtctctgcc ctctggaagc 340

<210> 656

<211> 316

<212> DNA

<213> homo sapiens

<400> 656  
gcgactgtg agtatttggg aatccaggat gctgcagggg tccgcagccg agagaagaga 60  
ctgctgtcct ggtgcaggag cacaggcgtt ggtcagttt ggggagctca gattccaccc 120  
agaatgggca ggggaagggg actgggctga agccccattc ggagctgtgt cattccact 180  
caciaagccc aagggcgtgc caggccaagt gctaagaagc cagtatctat ggctggagcc 240

aggggacatg agcagtgtccc cagatcacag gcacgaggac agttggccct gtagggcaag 300  
gcatctgctg acatct 316

<210> 657

<211> 540

<212> DNA

<213> homo sapiens

<400> 657

aaaacgcgtc catgatgagg acgggtccat tagagccccc aacgttctgt gaagtgggcg 60  
gcacagggtg ggggaagggga cttaatgggg ttatgtaatt tgcataaaaa tcacagaacc 120  
tgaagtgggtg ggtgagattc aaatgccttg gagctaagag cttggattca gtacttaata 180  
ataacttgct gtgacaatct cagaaagaat ccaaagtgtc gagccaaatt aaccagcaaa 240  
aaagacagat ggaagttttt cgtcctcgct tagctcatag tcttgaaaca cagccctctg 300  
gttttcacct gcctggaaca tcacagttgg tggcaggaga cggtaggtgg gaagggccga 360  
ggaccggggg gcctggtcag gtgtgaggtg gcggcgggaa cgtgccctta acgctgctcc 420  
gtcccttcca gatctggcag gggatcgaca ttgagaccaa gatgcacgtc cgcttcctta 480  
acatggaaac catggccctc tgccactgac ccaccgcta ctccgaggag aaactgcact 540

<210> 658

<211> 456

<212> DNA

<213> homo sapiens

<400> 658

cagaaatctg ccctcaaaac ccctggaacc aggaagccca gctctgccct cctcctgggg 60  
ccctcgggtc cacgtcagct ggaagggaga cacctgggat cacagagggg cagctggggt 120  
ggggctggag ccaagaggca gtgatgggca gctgaccact ccctcagaca ggagctggcc 180  
catgcccctg ccatacctctc tgctcaactc tctaccacat gtcacagctg gcatcgcaag 240  
ctaggggaaa tagctggacc atgcacgatt gtaaagaaga cattcagctg ttactatctg 300  
taaagtatat gatgacagaa aacccccgaaa ttcacaggta aatcatcatc ataggagtgt 360  
ggaagctgct ggtacaaaat gagtcaaggg aaggcgtgaa gaagtctcga agacctgcct 420  
gtagcagaac tcaccccaga accctcgggg atgcga 456



<210> 659  
 <211> 540  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (481)..(481)  
 <223> n=unknown

<400> 659  
 caggatatgc gtgctacact ggaaggcatt ttgggggggtg ttcgcgataa aggcaacact 60  
 ttaaaaggca aagaagtcca tgtaagctgc tctagaacga agttcacagg tcacagcagc 120  
 tcctggcagg aggcagtact gttcaccgca ggagtggccg tcaactgggcg ggcgcacctcg 180  
 tcgcagtcctc gaggggttctg ggggtgagttc tgctacaggc aggtcttcga gagcttcttc 240  
 acggcctccc ctgactcatt ttgtaccagc agcttcacca ctctatgat gatgatttac 300  
 ctgtgaattt cgggggttttc tgtcatcata tcatttacag atagtaacag ctgaatgtct 360  
 tctttacaat cgtgcatggc ccagctatct cccctagctt gcgatgccag ctgtgacatg 420  
 tggtagagag ttgaacagag aggatggcag gggcatgggc cagctcctgt ctgagggagt 480  
 ngtcagctgc ccataactgc ctctttggct tccagcccca accccagctt gcccctctgt 540

<210> 660  
 <211> 417  
 <212> DNA  
 <213> homo sapiens

<400> 660  
 cgtaccaggg ctgcaaaaag aaacaaaatt aacctcatag tctgcatact ctcgaaatgg 60  
 caaaaaagcc tgcaactttc cgttgtggaa aataatatac ctgggtgata aactgagcaa 120  
 acatcacctc tgcccttgcc tctgaaagag agcctgttct agttcatcct ggggccagct 180  
 tggcctggaa cccactggc cagctctgtc cacaccttgc atattaggac agaaatctgc 240

ctaccacatt ccagctacat aaagaagggtg gccagcacct gactgcctct ttctccttgt 300  
gaaattcctt ggaaatacca tttgtgactg cttgggcttg ttctgaagaa aattcaaato 360  
ttgttctgtt taacaaggat tgattgaaga acccgtaggc tcagtgttag taaaaag 417

<210> 661

<211> 349

<212> DNA

<213> homo sapiens

<400> 661  
taaaagatcc actggctgct ataggccaat gacagattaa agtgccgagt taaatttctc 60  
tgcaagaaaa tgacaccatt tctcccctta ctatgaactc gaaatgacac ctacatagta 120  
ttatgtctaca cgtgccaaag aataacttag tactgtgagt ctattataat caggtagcat 180  
caaaatcgca tcatattttc ttactcagat tttctcctgg atgttatctg tgtttaaaat 240  
agaagtgaat ttaaagaaat atttgggcct agattgaaaa atatttttga aggtccatat 300  
tctccgggga agaaaaatga gattaacaat gagaatgagg aagacaagt 349

<210> 662

<211> 82

<212> DNA

<213> homo sapiens

<400> 662  
gttcttggca ctggagttcc tgaaatcttt ggtatttcct gataactatg agtggaacat 60  
cttttgttat ttataataat aa 82

<210> 663

<211> 473

<212> DNA

<213> homo sapiens

<400> 663  
aaaacagttg agttggttct ttctgtgact aagaataatg aagctctttg tttgatatta 60  
actgctggta gaaaacatta ataaaacaat ccaagaaagg tgttttagga aacacagtat 120

tctcgtatgt agatttataa gcacagaaaa atttccaaca gtataaagtt gtggtatagc	180
tccaagaaaa gtattcttag ttagaagaat ttggctttgc tacagagttt caaaggttat	240
gtgtgcgcat attgtcttca gtagatgaca agttgatttt agttttattg ttttatctgg	300
cattttccaa taacattggg agtattctaa tgagtaagac atttgactct aaagtcaa	360
ttgacaacat atattcttaa gccagtttag aaagtataga atgggtggta cattgtaa	420
ctttggcaga gtttttgtaa gaaattctta aatgaagta acataacact gct	473

<210> 664

<211> 501

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (167)..(451)

<223> n=unknown

<400> 664	
caatcagttg taggtaacaa atttcataag catctaaact gacttcaatg tgttctaagg	60
tgctgggtttt tccaaggaat ttcctctgta tttcagaact gtgtaaaata ggtccataga	120
cttattattt tatgtataat caatcttctg tatccaggga ttctacnnnn nnnnnnnnnn	180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nctcctggag ccaaactctc acaaatacca	480
agaaatgact atatttgctt c	501

<210> 665

<211> 390

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (358)..(358)

<223> n=unknown

<400> 665

```
gctatatgaa gctcttttct gtagagtatt aaattgtgaa atcagtaata aaagtctgtg      60
tgtaaaaaat cgtagcaca gaaacaaaaa ttttagtggt tgaaattttt taatttcatt      120
gacaaactac catttttctc tttaaaccg atttttcttt gtgtctaagt atatcggatg      180
tactggcaga ttagaaacat tatcatgagt aatccttctc ccctcaaaat atgattggta      240
ccttttttag acctactctc agcttcactg tgtctggtaa ttttttttta actaatcagt      300
aaatagccct actgttatgt ctgtgatggt tcttaatgcc ctcggaagga gcgtaaantt      360
tctgggaggg tttaagcttc tcaagaatag                                     390
```

<210> 666

<211> 515

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (471)..(471)

<223> n=unknown

<400> 666

```
agggagtgtg ggtgttggtg gctgaggtga ttcactctgga ctatcaagga gaaactgaac      60
tactactcca caatggaaga attgaagagt atgtctacag tacaggagat accttagggg      120
gtttctcagt attactccac gttgtgatta gggccaatgg ataactacaa aaatgcaatc      180
ccaggcagaa ctacaaatgg gccaaacctt tgggtcaccc tgctgggtaa agaatcatga      240
ggttcttgca gaaggcaaac aagaaaaaaa aattgaatag ataagttata aataccagca      300
```

ataaccatgt gaccagttac agaaacaaga actgtaattg ttctaagtat tttctcctta	360
tttcattatg aatgtttgtg tgtatatata cacatattaa gcaaatatct ttgctttctt	420
tcctgtctta tttctttatc atgtaacaaa agttgtattg acttttatatc natattttaag	480
tattgttaat tttacatcat aatattttaag ttaca	515

<210> 667

<211> 412

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (366) .. (392)

<223> n=unknown

<400> 667	
aaaataagca gtttagattc cgacgacact gcactaattg gcatgtcagc ctccagctca	60
gtaaggcatt tgctcatggt tacaggcatc ttttagattc taagagtgag ttacagaatt	120
ctttttggta ctttcactta ttctttcaga atacatcaag gatgtgattt atggggccctt	180
aagagtataa gatataggtg cacagtatgt tacttaagta acggatgagc ccccctaaac	240
atccacgtgt ctctgcagga acctgtgtaa gtattgtgaa aacccttttc ttccaggga	300
aaattattgg aaattcctta actgagctat acttggtact tgctctagaa catttgggaa	360
atgacnaact caggctgggt ctctctctta anctcactgg gcataaatgt tc	412

<210> 668

<211> 520

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (8) .. (17)

<223> n=unknown

<220>

<221> misc\_feature

<222> (325) .. (325)

<223> n=unknown

<220>

<221> misc\_feature

<222> (128) .. (496)

<223> n=unknown

<400> 668

```
agaagaanna nagtacnata aaactatacc ttgcatacag ccctcaaata gttggtatgt      60
aacacttat aatagagtta caaaatttaa ggtaaaaata aacaaaatac tataacaacca    120
aggtcaaatt attttccaat agattaatac atgacataat gggtatacag tgccttgctc    180
acaatagata ctcaaataatt tgacaatcga ttaattgggtg ttctcataga ctctgcatt    240
taagatcttc atggatagtt cgtccacact aacaagaacc tggatgtctc tacaactctg    300
caattcaact gcagtcatgg agaanaatcc ctttctggga agaaacaccc atttgccagg    360
atctctgtgg aaaaaaacag aaagctgagt ttaggtgctc tgatgtcatt ctctattttt    420
ataaatgnga nagttgtgga tgcagagaac catttaaagg aaanctagtt tgannaagca    480
caggtangga gaggtnggga ccgaggccaa gtgtaataat                          520
```

<210> 669

<211> 418

<212> DNA

<213> homo sapiens

<400> 669

```
ggggtgctcc acacactcag aacactttcc tctgcactta cttcattctg gtttttcttt    60
tgggtccttg gtgtttttta ataaaccctt tctgtagtt tgctcccctt ccatggaggg    120
ctgtttcgag cacagatctg ctgggtgtct gtatttacia agagaagggg ccaactcgtgt    180
```

gtgagcagca ccgagggaca gaggtacctt gcctgcttgt gtcccccca agtccttctg	240
atatttttctt ttccagctgt tgcctagttt cctgggtatta aggagaatca actctctgga	300
taaacgtggg aaatatggcc catagtccca tctttttaca ggcatttttt acacctggag	360
cagccagagg acgcatgcat ggctcttcgg aaggtaattt agggatcacc catgtaag	418

<210> 670

<211> 454

<212> DNA

<213> homo sapiens

<400> 670	
ccttttagtaa ggcatttggg gttggggaag ctagaaaaag aaatgggagc tggtcacaca	60
gggccttctg tgccagacta aggggtttgt agtatatatt gtaggcagaa gagatccatc	120
aacagattgc aagcaaggaa gtatgttcac tttaaagttt gagaaagaat agtgtggaag	180
cacgtctcaa atttagactt gttccccctc tgaaccgtga atcagaccat ttcaggtaga	240
agtcttcccc ggtttatctg atctactcgg ggctcaggc ttctcagctg ggaagagagg	300
atgcaagacc agactgaaga acacggttga gtccccaata ccaaaagggg gcctttctgc	360
ttcttagcca gctacctctt cgagtttttc aaattgtgag ggggaccata aaaggatgga	420
aacttttaga tgacattcta caaattattt tttt	454

<210> 671

<211> 547

<212> DNA

<213> homo sapiens

<400> 671	
gaacaccagt tgggagaatg caatgattag caagtatttg ttgagcacta agtatgtgat	60
agattttctt aatcagtcct tataacaagc ctatgaaatg ggtactatca ttactgcatt	120
ttacaagtga ggaaacaaag aaaacagagt aaacatctgc caacgtttat tgacagtgct	180
gagcagtgac agataaatat ttcgaaccta ggcagtttga ttctagagggt aaaatagtct	240
aaacaagaat taaacgttaa actgggtctaa taaaatctac ttatccagag aatgtttttt	300
aaaagaaaca ggaaatatat ggactgtagg atagggtgtca taaaaatttt gtttctaaat	360
catttagaat ccaactgcatg tattccaaat tacaattatc agtgacatta gaacttgata	420

tgtgaagttc ttcaagagta ctttgtgaga ccgatctcca tttttttcca atgggaaatt	480
attgcaagtt cctacatctt gatattgctt tcgtaattta tactaacata aaataatatt	540
tttcatg	547

<210> 672

<211> 563

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (205)..(380)

<223> n=unknown

<220>

<221> misc\_feature

<222> (533)..(540)

<223> n=unknown

<400> 672

atacagaaca taaatccaag aaaaattatt attatTTTTTc acaattatga ctaaattcatg	60
ttattttctag ttattttacaa gtactacaat gttctatgca tttcttcac ctagacatta	120
ataaaacaca tcccttttggc cttagatact tctcttttggc ctgtgttttc tccttttctga	180
attttaatct tctgtgatgt gaggnaattt acgtgaacct ttcacntatc nattttttnc	240
cttgtgcaca nttganantn nccnccctta gatnccctat ttgctcaaaa ggcaaatcct	300
ctaagangtc atctgcagcc catagcattc gtctcagagc agaaagantt agaacatcct	360
ttacagggtc cagctcccan tcagaggaat aattgctaac caccgagatg tcagaaaagag	420
caaatccaag ttttcttttg acttcctcta gctgcaatac agaaattaaa aagacattgc	480
aaaacagtga aaaatattat tttatgttag tataaattac gaaagcaata tcnagatgtn	540
ggaacttgca ataatttccc att	563



<210> 673  
 <211> 519  
 <212> DNA  
 <213> homo sapiens

<400> 673  
 gctttttgaa ggaaaaggct tcattctccc tgctcgaaag attgccacac tatagatatt 60  
 tgaaaatcag atgcggtaat cagaaagcta ttctgatagt ctgactgctc tgccgatata 120  
 ggttatatta ctctcacaca atatggtatc acgtaagggc tggggaggac atacatactt 180  
 cagtgggtaa actgagggtta gggacatagg gagcttgact gtgattccaa gtatgtggtg 240  
 agctcacaac cccaagatt atcttatcct ctaaacggtc ttgtcatgcg cttttcagga 300  
 gtcacattag aatctgcttt ctaagaccat atctagtggc tgggctgttt tttaatggat 360  
 cacttcccct tccatctttt gacactatct atccaattct caggattctt tgtctttcaa 420  
 aacttcatgt gctgtattga acttttcatt ttctcagatt aaaggtgggc ttgtaacagt 480  
 tagcatactt gcttgttcat ccatttcttt gttagacac 519

<210> 674  
 <211> 391  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (107)..(336)  
 <223> n=unknown

<400> 674  
 agctgtccct gtttatccca ccatagaaag agtgaaaatc aacaaagttg ggcagatatc 60  
 tgaacctgct tggtttgact tcagaagttc tctcttgatt ttgtagntct ttaactgnaa 120  
 tacanancaa ancacagant gntccgnatn tgnttacata atcntgggnn gnnaacnngn 180  
 gttngcanc ncaannncn ntngcngcnc aagactnnnn nanaacatga naccctcacc 240  
 cnaccaannn nacacaanat nagttcaata cagcacatga agttttgaaa gacgaagaat 300

cctgagaatt ggatagatag tgtcaaaaag atggangggg aagtgatcca ttaaaaaaca 360  
 gccagccac tagatatggg tcttagaaag c 391

<210> 675

<211> 434

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (375)..(375)

<223> n=unknown

<220>

<221> misc\_feature

<222> (500)..(500)

<223> n=unknown

<400> 675  
 gaggaagct cccagaggt agtaccggtg gaactcttgt gcgtgccttc tctgcctct 60  
 caaggggacc tgcatacgaa gcctttgggg actgacgatg acttctgggg cccacgggg 120  
 cctgtggcta ctgaggtagt tgacaaagaa aagaacttgt accgagttca cttccctgta 180  
 gctggctcct accgctggcc caacacgggt ctctgctttg tgatgagaga agcggtgacc 240  
 gttgagattg aattctgtgt gtgggaccag ttcttgggtg agatcaaccc acagcacagc 300  
 tggatggtgg cagggcctct gctggacatc aaggctgagc ctggagctgt ggaagctgtg 360  
 cacctccctc aattngtggc tcctccaagg ggggcatgtg gaacatccct gttccaaatg 420  
 gccacttta aaga 434

<210> 676

<211> 538

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (500)..(500)

<223> n=unknown

<400> 676

```
cttccttcca ctttactctg ttggcttgct cttgtagatc ttctgtaca aagccaagaa 60
tccacgtggc ctcccacgct gaacccaat tttggggctc accctgtgac acagccagag 120
gcaaatggtt ccatgtccct cctattctc tttgcgcctg gatgggatcc ggagggctct 180
aggcttggt gctgtggcca ccagatgagg ctctatgagg tctgcagggg tcttgccagc 240
tccagatgga cattccctga gatgctgtta ggccacctgg actggggccc cctgtggcat 300
ccctggcatg gacacataat gccagcaaa ggcacatca aagttccatt actttagtgc 360
tggaaggcaa accagatggc aacttgtttg cagagaaaga aactgagacc caaagaaggg 420
tcagccaaag ccaggactca agggccaagg ggctggtgtt gatacttcag ctgctgagtg 480
gcaggagtcc tttttgctgn ccttctccca gagttccata atgaggtgag gatgggtc 538
```

<210> 677

<211> 317

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (69)..(305)

<223> n=unknown

<400> 677

```
ctaattgttct atgaacagat ttttgtacgt atcttaaata attgcattag gctagattct 60
taaaatgana atcctatgtc aaagggatg agtattttaa atgttcttaa tatatagtac 120
cctaccattt tctggntggt aggcaatttt ggacaccttt tctgtttaac attgtcattg 180
ttttcaatag gtacactata tctcnttaag tagagtgacc taanctagtt ctttattggt 240
```

ggatatttag gttatttttn gntctttgct cttctaagga attttctgaa tatctgaatg 300  
 ttctnagctt ttccatg 317

<210> 678

<211> 492

<212> DNA

<213> homo sapiens

<400> 678

aaaatttcta cattgtgaat agtacttccc agatgtggtg cacagtctgc acaagcatag 60  
 gcactggccc tacatctaaa tagatttttc tggaatgaaa gaatgaatgt attctattga 120  
 tcctgggttat gctttgaagc tgtaatctgt cagtaccctc tgtggtcact agataggaag 180  
 ttggagaata ttcagagtga taaagagaag ggtaatggga aagtctaaat gagtgttct 240  
 caaattttta tgggcgtatg aatcaccag gaatcttgtt aaaatgcaa ttataatttg 300  
 gatgtggggc ctgggattct gcattttctca caagctccca gtcacttat catctgataa 360  
 gaatgctgtt ggtccatagg ccacacttcg agtagaaaga ctctaaacaa cagtcaatct 420  
 tggcttcttg ctaagtaa attttttagt aaaaattgtc actcttagtt cattgaaatt 480  
 gattcagtat tc 492

<210> 679

<211> 539

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (171)..(234)

<223> n=unknown

<220>

<221> misc\_feature

<222> (398)..(521)

<223> n=unknown

<400> 679

```
caatacttag taatgtatat cattcatgtg gtgataaata tattcagacg aagaataatt      60
ctttttttta aaatgtaaaa tcacaattat ttgatgtttt tcatttgtga atgcctttta      120
cacgtagtcc ctacatttag gtgcttttga tgcatgactt ttcactagac nnnnnnnnnn      180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaacaca      240
gaaattaata gaatactgaa tcaatttcaa tgaactaaga gtgacaattt ttactaaaaa      300
atatttactt agcaagaagc caagattgac tgttgtttag agtctttcta ctcgaagtgt      360
ggcctatgga ccaacagcat tcttatcaga tgataagnnn nnnnnnnnnn nnnnnnnnnn      420
nnnnnnnnnn nnnnnnnnna tccaaattat aatttgcatt ttaacaagat tcctgggggtg      480
attcatacgc ccattaaaat ttgngaagcn ctcntttaga nttcccatta cccttctct      539
```

<210> 680

<211> 437

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (409)..(409)

<223> n=unknown

<400> 680

```
gggaaagcta attgacagga aagagctaag tagtacaatt ttgggggtga cgaagctatt      60
ttgctagtat tactgaccat acatatgttg aattttatac caaaaattgg tacattttat      120
tctaaaatta tggctgaaca aagctgattt aaaaatttag gtaagcataa tattaatat      180
ttggaggtga ctaaagaaat atgtaaccaa aaaaccata ataaaatgca gaaatgaata      240
tacgtagcaa attaatcatg ctacatattg atgagattat cacaaactag aatattttga      300
taagaatttg aaattttaat tatagtcaca aatagtaaat atgaaaacat tgctatttaa      360
atatgctttt ttaataggaa ataccaatga cattgacccc aaataaatnt atcagggtcc      420
gaagtcattc atttcct                                          437
```

<210> 681  
 <211> 475  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (168)..(168)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (350)..(459)  
 <223> n=unknown

<400> 681  
 gagttttaag caattttttca catgtttttg cctacatttt caaatgatgt gtcaaaatga 60  
 cagaaatttt gatggcactt tattgtactg tgatatatta cacttaatgt ttctattttc 120  
 acttaaaatt aatgatgcac attgaagccc acacattctc ttttagcnaa ttcataattt 180  
 cattcaattt ggggttttta attaataagt cttttttact taagcttatt ttttcacttt 240  
 ttaaattgatt ttattttacga ttgagaaat gatgacttcg gacctgatat atttatttgg 300  
 gtcaatgtca ttggtatttt ctattaaaaa agcatatttt aatagggaan gtnttcatat 360  
 ttactatttg tgactataat ttaaatttca aattctnct aaantatnct agtttgtgat 420  
 aatctcatca atatgtagcn tgattaattt gcnacgtana ttcatttctg cattt 475

<210> 682  
 <211> 316  
 <212> DNA  
 <213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(13)

<223> n=unknown

<220>

<221> misc\_feature

<222> (255)..(313)

<223> n=unknown

<400> 682

```
anttgcccc atncttctg gactagattg cacagtgtcc ttttcttatt tggaatgttc      60
aggacaatgt gttattcatc tgcgcagtcc cagcaccttg tgtgatactg gctatccaat    120
ggggtgtttg atgaataaat ggtgcattag ttaaacaaca ggtttaatag gtatttatta    180
aactgagcag ctatttcaac aaagccactg aattaccaca atgccttggt gtctaaggca    240
ctaccaaagg cattncnaaa ctgctggtgg aggccaatta tttaagcaaa tctcggatgt    300
cnaagaaaat gangca                                           316
```

<210> 683

<211> 327

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (134)..(316)

<223> n=unknown

<400> 683

```
tagcaagtga aaatgtcctt gaaaaatgag ttaacacaaa gacattttcg gataaaagac      60
acttctggcc ttctgatgac tacgagtttc ataataataat tgccaagcca gatcacctaa    120
aactaaaca aacnatactc acgcaaatga agcttccaat tattaacatg ctctggaaaa    180
taagagtaat tattgaatcc agaaactaga tccgggtatt agnaacagaa aagggaacat    240
```

ttggaaaaca aaaaggggcc ttgaaatta anatatntgc nagntgaaag gacattaataa 300  
naggaaatnt aaccnaatg gaaaatt 327

<210> 684

<211> 275

<212> DNA

<213> homo sapiens

<400> 684  
tatcttttaa ctcttctatt gaatttttca tttgtgttat attttctttt ttaatgttct 60  
ttcatcttgc atatatttta atttcaaagg accctttttg ttttccaaat gttccctttt 120  
ctgtttctaa tatcctgac tagtttctgg attcaataat tactcttatt ttccagagca 180  
tgtaataat tggaagcttc atttgcgtga gtattgtttg tttagtgttt aggtgatctg 240  
ggcttgga tttatattatg aaactcgtag tcac 275

<210> 685

<211> 60

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (6)..(56)

<223> n=unknown

<400> 685  
ttccanaatc cttacccttt atttcttncn tctcttcttt natcatngga tctntnaccc 60

<210> 686

<211> 471

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (436)..(460)

<223> n=unknown

<400> 686

```
ttaaagctca tctctctggg atgacaacaa agtccctctc agttttttct cccaccccat      60
ccctcagcca gctgaggtec atgtggtacc caggaaacag aacagcccc aattcccatg      120
gtgagtgtcg tcatccacgt tgtccttagt tgcaggagac cettgaagat tgggtgtcttc      180
cccttcacac ggtcgttggg gcatgggaat ctttgctgag gctgaaaatg cccctgtctt      240
ctgagatgct gcccttcccc caggagctg ccagggtctg aggtgcaggt tcttctgtct      300
tgcatttctt ccaatcatgt ccccttcccc agtcacagag aaggctgtat gttctctctc      360
ctccatcaaa agctctcctt tctctccctt accctatcca catataatct tacataatga      420
gcttaggcct cagagnaana caaaaagtct gggacaaaan tctagtggg a                471
```

<210> 687

<211> 520

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (360)..(423)

<223> n=unknown

<400> 687

```
attcctatat agtgagagaa ggaaatataa caggaaagga taaagagcca agtaaggctg      60
tgttttctgg taaaggctag ctacggctta atccagaggg gaggtcaga agcataaacc      120
acaccgtggt gttgaccctt cttgaggcaa ggaatccagc agtagtccca tattagtcac      180
tactgtctg aggaccattc ccagaggaga tataacttcc caggggtggt ggttctcatt      240
agaagatggc aattctctga aacatttgac attgttagca gttgacacac agcatctaga      300
ggtgtgggtg cactgccttg ctaaattggg atctgggtaa gacattatta cattacaagn      360
```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	420
nnnaatattg aattaccttc atgccatatt aaaactttaa ttccaagcat tggaaatata	480
tatattaaag gttgttacac aattaacatc cccagaaaaa	520

<210> 688

<211> 467

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (447)..(447)

<223> n=unknown

<400> 688	
gatggcgtga agaactgaaa cgcactggtg ctccaggagc cttccacaga tgtaaagttg	60
tcctccttgt tagaactgat aagcgaagtg attctcttat aagagttttg gaggctggaa	120
aggcaaagtgt tattttacca aaaagttcac caagtggaat aactcatgtg attgccagta	180
atgcaagaat taaagctgag aaagaaaaag ataactttaa ggctccattt tatccaattc	240
agtatctagg ggattttctt ttagagaaag aaattcagaa tgatgaagat tcccaaacca	300
attctgtttg gactgaacat agcaatgaag aaacaaacaa agatttcagg aaagatgcag	360
gatttcttga aatgaaaggt gccttaagag agaccatgta tagaaccag aaagaaatgc	420
caaatcctga agatgttaat ggtgggntcc taatttggat tcaacat	467

<210> 689

<211> 420

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (18)..(109)

<223> n=unknown

<220>

<221> misc\_feature

<222> (223) .. (387)

<223> n=unknown

<400> 689

```
ctcatttttaa caaatttnan aatctttact ggaaccactg aattttttctt ttttgtgatg      60
ttgaatcaaa atanaaccan natnancatc nncangattt ngcatntcnt ttccgggttc      120
tatacatggt ctctcttaag gcacctttca tttcaagaaa tctgcatct ttcttgaaat      180
ctttgtttgt ttcttcattg ctatgttcag tccaaacaga atnggtttgg gaatcttcat      240
cattctgaat ttctttctcn aaaagaaaat ccccnagata ctgaattgga taaaatggag      300
cccttaaagt tancttnttc nttctcagct ttaattccng cattactggc aatcacatga      360
gttantccac ttggtgaacn tttnggnaaa ataacatttg cctttccagc ctccaaaact      420
```

<210> 690

<211> 315

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (277) .. (288)

<223> n=unknown

<400> 690

```
gtttctaaat attcttgtaa ttttaaaaact atctcagatt tactgagggt tatctttctgg      60
tggtagatta tccataagaa gagtgatgtg ccagaatcac tctgggatcc ttgtctgaca      120
agattcaaag gactaaattt aattcagtc tgaacactgc caattaccgt ttatgggtag      180
acatcttttg aaatttccac aaggtcagac attcgcaact atcccttcta catgtccaca      240
cgtatactcc aacactttat taggcatctg attagtntgg aagtntgnct ccatctggaa      300
```

ttagtccagt gtggc

315

<210> 691

<211> 486

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(21)

<223> n=unknown

<220>

<221> misc\_feature

<222> (295)..(295)

<223> n=unknown

<400> 691

gnganaaaat atatcaatat ngaacaaaaa tgtgtgtaaa cagtaattct acaactggga	60
acatatctca gttttgttaa ttttggtgac gtcttcccaa ccatgtctaa tcttcagtat	120
cttcttcttc aagcatggca ggaatagtat gcttttaa atcaggacaa caattggaag	180
gaaaacagct atcataaaag ttggaggtgt ataccataca aattgtttta tatctatcca	240
cttattccag gcaaaaatca atgcgtgtat tgtgcccagt agaagggaaa caatncctag	300
cttgctctgc aaaagaaaaa caaaattggt gaagattggt ttaataagag tttatcccat	360
cctacctcat ctggatatgc tctgttgctt ggaaatcctt tatctatgat tgttttccta	420
tcacatttct caacaatgct cattcacatc tttctactct ttttgctat cctctcacc	480
ttactt	486

<210> 692

<211> 290

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (51)..(51)

<223> n=unknown

<220>

<221> misc\_feature

<222> (169)..(258)

<223> n=unknown

<400> 692

aaagatacga gaaccttaaa agcaggtggt cattgacttc aaggggacga ngtcgccctc 60

cccactgcct ctccccatac agacgctgac agaatacagc gggaagcaac tatgagagaa 120

acagaagcaa tcagaactcc agctcagacg acctcaggag ttttaccanc aggatgattc 180

aggaccacac acaaaaaatg gcaggnggcc atttcccccg aatctctccc gcataaatg 240

gaaacaacaa cttgaggngg caactgagca attagttact ggtcgtttct 290

<210> 693

<211> 558

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (518)..(518)

<223> n=unknown

<400> 693

ttttgcgttt acagaagttt gtaggattga gaattcatca tcatcatttt ttttaccaat 60

ctctatatatt ttaatagtca acatatattat ttttgattcc cccactgtgc tgctttaaat 120

taaattttga aagaattctg cccaaagcag tagtgatact gaggatgaaa taaagacaga 180

aagcaagggga actacatgct tctggacacg tgttctatag acttgctcta actagtgtta	240
aagactactc atttttttcc tcacatgata agaacattca tattagacta tttgggtttac	300
tgttctaggt aatgattttt taaaagattg ggtaagatg aaattatttt cttacaaaag	360
gatttaattt gcttttcaaa ttctgctctg aagctcaaga ttaaatacatg tcccaaataga	420
ctgagctttc attgctatag aaaagcattt ggctatttca gtaagtttcc gcctccacat	480
cttaagtctc ttgatttttc agaaaaggtc aggggagngg atataagcgt gaagggaggg	540
agattttctt aaaattgg	558

<210> 694

<211> 432

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (52) .. (79)

<223> n=unknown

<220>

<221> misc\_feature

<222> (306) .. (412)

<223> n=unknown

<400> 694

ctcattgttt tctgaagctt taaactttga gatgtaaaaa catgactttt gnntgtgtac	60
ttttaaagat acatatttnt ttttaatagg tcagtctcat cattaatcac taaaagagct	120
atttaaataga ctaaaaacca cagcacttgt cagccattac ttgtttttca gcaagcattt	180
acacagtatt agctgaaata tttgtaggga ttcaccaagt accttgggat gttgcagtta	240
gcattttttt cttacaggta taaaaagtgg attgttggtt tgatgggtggg ggggttttgtt	300
tttttntttc ctaatcaaag cnctngngtn ttattagcaa acacttaana aatatgtnan	360
taccagnact ggggaaaata attagangac acataaacng gattttaaata cnatctcatc	420
ggcctagatt tt	432

<210> 695  
<211> 471  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (349)..(461)  
<223> n=unknown

<400> 695  
aaaaatatct ttaaaatgat aaatataaaa cattaaatgg ctattactat tttcttcctt 60  
ttttttttaca cagtggcatt acattaaagc ccagaaaatt tacagagacc attaaaaaaa 120  
ggcatttttgc taacaaataa gaaggcaatt taaaataaaa ccagtgaaca tcaaaattat 180  
atttaagtct aacttgaact cttaaagaca aactatgcaa tacaaagcta taaaatatat 240  
aaaagcaaat ctataatatg ttggatgccc tccctacttt ggatgtaaga tacatttttt 300  
tctgtgctta aataatacaa ttatttttgct ttatgaaaat gtgtaggana acatttttaa 360  
agaaaatgtg ttttacctcc ctataaatgg acatatgggc attatgggtat aagtcattca 420  
aaacatgtta atganacatt ccaagtaaaa tnaagaacat ntgaatttta a 471

<210> 696  
<211> 402  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (180)..(368)  
<223> n=unknown

<400> 696

gaaggaagtc tggcaggctc ggaattgtca tcttcctcag gcaaatagtt tttcacctta	60
gagccagcaa ggccaaaccg cccagtcacc cgacttccca cagtctcagc agggaggaat	120
aagttttttt catctgtaat ttggaagcca agtcagtaac aaaatgaaac cagtaaagcn	180
tctgttgacc accagtaaca aattggcaaa tgttccagcn ttaactacta aaaaaggact	240
acataattta ccattatcac ctgagctaaa ggaaaaacat aatgcaaaat tanttcanga	300
taaaattgaa ccaatgggcc taagatctcc accaacagga gaatccattt tacgggtatgc	360
tttgcccnat tccatcgagt aagacaaaga acttactacc ag	402

<210> 697

<211> 557

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (544)..(544)

<223> n=unknown

<400> 697

tgaacagcta gacaatgcac tgacaagatc ctgaagaata tgtctattag ctcccccaaa	60
gaccaacatg attgtcctat cctgtacta tataaattta tgcataataa ttttaataaaa	120
tcctagtttc tatattttat cctatacttt taaatcactt tattgggatg taatttgtgt	180
ataaaaagct atacattggg gagatcatcg gaaagtgccg ctgggtggcg gggcagagct	240
ggcgcgtcac tgtcgtcatc gttgccaac cgctttccgg gaggtggag tcgaaggccg	300
tgagtcagcc ataacggcag gtgaagaaat taatgaagac tatccagtag aaattcacga	360
gtatttgtca gcgtttgaga attccattgg tgctgtggat gagatgctga agaccacgat	420
gtctgtttct agaaatgagt tgttgcagaa gttggatcca cttgaacaag caaaagtgga	480
tttggtttgt ggttctgttg cagaaacatc tttaaattca tcagttgagt gggcttctaa	540
gaantcttca attttct	557

<210> 698

<211> 456



<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (47)..(47)

<223> n=unknown

<220>

<221> misc\_feature

<222> (279)..(413)

<223> n=unknown

<400> 698

```
gcgaatgtga actgggaaaa aaagcattat atatcataac taagagntaa ttgatgatac      60
ttgagaaatc ggtgaacaat taatatttgt taaaccattg actaggatgt taatttttca      120
tttgaggtat tttttagtga aaggagagaa ggaaatgaaa tggtagctag tagatgggtga      180
atttaagcaa gatttgttcc ctttcttcca ctatacgctt ctaaggaaat taaaaaaaaa      240
aaaggcttgt ttactttgga atgtggagta aagagagcna caagngattg aagtcaaaga      300
ataggtangt gagccctgta aggntctgca gagacagaca gaaaaagtct gcatggagag      360
taaattggga anccaattaa aaaattttgg tagtccttgc gtgaaatntt ggnagcttaa      420
actagggtag tagttgtgga agggatgatt attggt                                456
```

<210> 699

<211> 327

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (9)..(9)

<223> n=unknown

<400> 699  
atgatttttna atataaaaagt gatcagaaga gttgaacact gaatgtgaag aaatttttagg 60  
aatagcttag ccagttttaga ttgcttatat tttcttattt gtacatgata tatgggttctt 120  
acggttttcta aataagtcta aagagctctt tcaatattta aaaaataaat aaaaaatgta 180  
agcagtaaga aagcatgtgt catgggttaa ttgactattt tcttccttag tggatatataa 240  
aatgggtgctt catataaaca gtactgtctt caatttgatg aaacgagttt gatttactgt 300  
cctactgtta ttttactgct tcttatt 327

<210> 700

<211> 425

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (13)..(417)

<223> n=unknown

<400> 700  
gtttgggcgc ganttactct aagcgcggct ctcagaaggg tgcaagaaga atcagtgnntt 60  
tttttttttt ttcgaagcac tgngtttagn tcaagatgtc tggtaaagca aatgcttcca 120  
agaaaaacgc tcaacagtta aaaagaantc caaagagaaa aaaggataat gaggaagttg 180  
tggtgtcaga gaataagggtt agaaacacag tgaaaaanaa ataaaaatca tctgaaagat 240  
ctgtcttctg aaggacaaac aaagcacact aacctaaaac acggaaagac agcagccagc 300  
aagagaaaaa cctggcnacc tctgtcaaag agtaccagag accatttgcg aactatgatg 360  
gaatcagtag taatgncant tttgngtanc agtgtnnnng nanaagaagg aantacnata 420  
ccatc 425

<210> 701

<211> 431

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (251)..(288)

<223> n=unknown

<400> 701

```
tctttgccaa cctacgaaac ccatactctgg aagaatcacc agctcccgtg agcagcttca      60
tgtaaataga tgcactccaa gcagattgca tgcctcaggt gtttgtcttc tagtaatcat      120
ggagtgtgca acacccagag taacactaca aggggcagga ctgcaaacag caggtcctgg      180
ctaaaaaccc ttaatgctgc attgctgccca gttgtaaaga gatgcctgaa tggagggaag      240
ttctgccttg ngggtgaaac tgatgatgta ctgtactgtc atatatanat ccactaaatc      300
cagctaccag gaactgcctg gaactgtggc catgcatttt ttttttctt taaagaccag      360
tgtgatagta ggccatgcat ctgagatacg atattccttg gtaactagag ggagaaaaaa      420
aaaatcaagt a                                                                431
```

<210> 702

<211> 307

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (30)..(264)

<223> n=unknown

<400> 702

```
gtgtagtcc atttattggt taaagttatn ttgaaactga tattttcact gctgccaaag      60
cagtacctga cagtagatag gtnccacag ncttangtnc cttngagtta tanaactatg      120
cctctgaaag gggntttaat actttaataa acctggccta aactgtttta tttctaagtt      180
gaaganactg attgtcaagt actttgactt gtccaatctc atacaactaa ctatggtaca      240
```

tctagagtta gatctcagta tcanggggtcc cagttgtatt ctgctcacca ttccacagtt 300  
tcggtat 307

<210> 703

<211> 393

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (337) .. (366)

<223> n=unknown

<400> 703

gaagatgatt caaagagctt gctttcaaag agcttacagt tctacagctt agagatgaaa 60  
ataacacaaa tatgaggttag aaagtgggta attttacctc tccttggctt taagtctcat 120  
gtgtaaagtt ataggggggtg acagttcatg ctttattgaa ggacatgata ttacgtcag 180  
gctttgaggg acagatcaga tatagacaca tgatggcagg aaaggctgga gaaggcattt 240  
cagattgaat agcaagtaat tccacagtag gaaaattgtg agaaagctat ttctttgtat 300  
caaattttta gaaaaatatt tagacatgct taatgcntaa atatttgana ttntattact 360  
ttntnctg tgattatattt cacatctctc acc 393

<210> 704

<211> 281

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (210) .. (273)

<223> n=unknown

<400> 704  
taacacaaat caattttttt aaattacaag tcatagtcac atggtagccc aatctgaatt 60  
ttcatataat gtcataataat ttcatataat gtcaaattta gctgtctggt aatctccaat 120  
taataactgt gtaacattag ttttcttagc aataaaggaa gaggacttaa tcactatcat 180  
cccttttagt taggaaaaaa gtataatcan tcaaattagc tcggttaaaa tagcaatggt 240  
ttctcttttg ntttgatttg ggganaacta ntncagaagc a 281

<210> 705

<211> 376

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(48)

<223> n=unknown

<400> 705  
tcctgtctgg tgaaatacaa acataaatga attatztatg tgccantngc ttctgatgc 60  
tgagagcaaa gccagttggt ctggcaggtt ctggaaaaat ttatcacctc atggggttca 120  
atgccaatgt caaatcataa atataataat caaatctgaa agtgaacca gtttcagaga 180  
catccagagg ccactgtgta tgaagtcctt ttcagataaa gagaagatat tatttgactt 240  
cttatctctg ttgtctggcg cagtgtccgg aacacggcag atattccata tgcacagtca 300  
catcctgtgt gtgtgtgttt cttttccagc agggactgga ggtcctaggc tttgtttgta 360  
tggcgagcca gtgccc 376

<210> 706

<211> 480

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (121)..(472)

<223> n=unknown

<400> 706

tttatcattt tactaggaac tatttacaga ataaactaat gagattcttc ctgaggtaaa 60

aatacttttt ggaaaaactt ctccttgatg aaatttcact taaaacatca cttccatcgt 120

naagtatttc tttaagatat ttttggtccc ttccttttat gtggaatcgt caattcaaat 180

tttaaangag actttganat gtttttcac tatanattta aaaatnttna aggggtnttt 240

aattctgcct tcaacanaga tngacacacn tctgattatg atgtaaaact gantaagtta 300

ctctgacagg ctttcttttc tgcagcgcag tacnatcatt ntttaataang attgaattct 360

tttactccat gcacaatcta tattccctgc ttacaaaga ttagaaatct aattctcact 420

annaaggcag ataaaagtaa tcacttcnac ctttcagatg actgaatcan tnaccaacgc 480

<210> 707

<211> 429

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (101)..(240)

<223> n=unknown

<220>

<221> misc\_feature

<222> (384)..(394)

<223> n=unknown

<400> 707

cagaatttct ccatctagcg gaacaacagt gacatctgtg gtgggatttt cctgtgatgg 60

gatgagacca gaagccataa ggcaagatcc taccggaaa ngctcagtgg tcaatgtgaa 120

tectaccaac actaggccac agagtgcacac cccggagatt cgtaaatacn agaagaggtt	180
taactctgag attctgtgtg ctgccttatg gggagtgatt tgctagtggg tacagagagn	240
ggcctgatgc tgctggacag aagtggccaa gggaagggtct atcctcttat caaccgaaga	300
cgatttcaac aaatggacgt acttgagggc ttgaatgtct tggtgacaat atctggcaga	360
aaggataagt tacgtgtcta ctanttgtcc tggntaagaa ataaaatact tcacaatgat	420
tcagaagtt	429

<210> 708

<211> 283

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (10) .. (277)

<223> n=unknown

<400> 708

ttggagtaan aaaaaaaaaa agaatgggga taaactggta tataagagga acangnanga	60
ggggaganna cccaacanat gaggtctgca cacacagctg tcttggttgc cctcggtgca	120
gctccngtct ccagttacaa ggaattccaa gttctcaggn tcttgaagac tctgnaggcc	180
attaatccct ggatcacact gcntctacca gctnagangn naagtctctgc ctaagggtent	240
gaaatanacc tgactgtctgc naccagaccg aacagangca aag	283

<210> 709

<211> 369

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (174) .. (280)

<223> n=unknown

<220>

<221> misc\_feature

<222> (481)..(481)

<223> n=unknown

<400> 709

```
tctgacattc tttatgtaac agtacacctt ggatcttcct ccatcatgag tatagaaagc 60
cctttatcat cccttttttg gttgggtgtt gttctgcagt attggtttca tacttaaatt 120
tttcatgctt ataatagttt agaggagatg taacaaatac agggatacaa aggnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tcaaggtctc agttttctta 300
tttgtaaaat agttattaac agtatgccct gtattataga gttcctgtga atattgagtt 360
cctatttttt 369
```

<210> 710

<211> 534

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (481)..(481)

<223> n=unknown

<400> 710

```
gaatttaciaa aaaaaaggat gaaagtttac aaactgctta gttccaacta agcataagag 60
gtgagaacgt aactgcagg gccaccagca gcagctgtgc actgatgtta aaactggctc 120
ccccagactt gtagtgtgtt cttcaggggg ctgcattcct tacacgccac ctcttgtgac 180
ataggtcatt ggtcaagccg ctggaatgct acagaggttt ttttggtttt gagaggcttt 240
ttttggtttt ctttctact ataaaagcga aattttcagt tcatttctga aaaataaatt 300
```



ggccaataaaa ttcattttgt tctgcttcta ctttacacaa agcttcatat tcaacccgat	360
acctgaaaaa caaaattggt agaggccctg aaaaaaagat gaagtaaacc acagacctaa	420
ttcttctaga gaaggatata gaggtttaaa tgatttcaag aaatgggtgtg agttcagaat	480
naagaaagaa agagggcaaa gccctaccca gagccacca tggagaaatc tcca	534

<210> 711

<211> 389

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (310)..(354)

<223> n=unknown

<400> 711

gttttggtgt gtttttcattg tggaaatgtc gcttaacaaa atatccaggc ttttggtttac	60
gtggaaaaag catcccttgt aatgattgct catcatactt aaaaaccttt ttcaaaggat	120
tttcattgttc ccagctataa ggactatttc catgacgtgt tattggcaga atgagtgtta	180
aatatggagc atatagcatg gggtgacttt cattgtccta acctgagaca gttttcctta	240
ttactctgta ttgatcctgc tagtccaaga atggacatga agtgaacctt tcgtgggtgac	300
tgggatacgn aggtgcttgc tattttttgcc agcacagcat attagttcct tggngcctcc	360
attgtctgag tctgcagtga tctgtagga	389

<210> 712

<211> 363

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (350)..(360)

<223> n=unknown

<400> 712

```
tagatgaaaa cctaaaggtc tctacgcaac atctgaggaa catacgctcc tcagataaaa      60
gaatcaatct aaatcctcaa ctgacaaaaa ggtccattta atatttttca ttttacaagt    120
taaaagttct agttttgcca ccagaatcac gactaccccc ctttcagagg actccattta    180
agctcaaaat acgaaatgag cataggggtga agttgatgtg taaatgggat tctacagatt    240
caagatggcc tcttctaaaa aactgaaga aagctttcac caactctaàt ttgattttgg    300
gttttgttgg cagaaaaagc ccaagacatc tggaaaatta ctagtaaccn ccgncatccn    360
cct                                                                    363
```

<210> 713

<211> 313

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (47)..(49)

<223> n=unknown

<400> 713

```
attgactaga aggacatttg gaaaagaaaa ccagcggttt gaaaaanant gaggcagttt      60
gattctgttt ctctgagtga atagtgagac taagtggggt gtaaggatgt ttcacacctca    120
aaatttattt tttctttcat tactatgtca gtttgaaaaa gaaaataaaa aatggttggt    180
gatcctgaag aaactaatcc tagaatgtgc tacatctttg agagtttggg aagagacagt    240
taacatacaa ccttcaaaa cagtggaatt tggtaaaacc ctggaacact gttcttgctg    300
gatctaattc atg                                                                    313
```

<210> 714

<211> 382

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (3)..(5)

<223> n=unknown

<220>

<221> misc\_feature

<222> (279)..(373)

<223> n=unknown

<400> 714

tcntncccaa gacaccttga aacaattgag aaatgaaaac ccagagtga ctggggttata	60
aagtttgcag ctgtcttatg gaaagaaaaa tcttcagtat ttttactgc agcacttgac	120
actctggctc tgagtcttcc ttaaacacac acagagtcct ttattaaaac aattgtagaa	180
aacaaaaaga ttctgcttct actacattag gagggaaacg cctcagtga ctaggaggcc	240
tttcccgtgt cttaaatacag caacagcaaa ttgtcttcnn atataagcat gtttacatgt	300
tcacatgtag ncacacctac cagnacaaaa tgcaggnagn aagcttacgt gcaaatan	360
acgccctaga cnttggtat ag	382

<210> 715

<211> 387

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (240)..(343)

<223> n=unknown

<220>

<221> misc\_feature

<222> (463)..(463)

<223> n=unknown

<400> 715

```
cctgaagtct tcccacaact ctagcaggac cttctaccgc tttgaggctg tgtgggatag      60
ctctctgcat aactcccttc ttctgaaccg agtgacaccc tatggagaaa agatctacat      120
gaccttgctg gcctacctag agctggatca ttgcatccag ccggctgtca tcaccaagga      180
tgtgtgcatg gtctttctact cccgagatgc caagatctca ccaccacgct ctctgcgtan      240
ctctttggca gcggctactc aaagtcacca gattcgaatc gagtcactgg catttacgaa      300
ctcagcttat gcnaaatgtc nagacacagg tagtccaggt atncagagaa ggagaagaaa      360
aatcttagat acgtcagtgg ccatatg                                           387
```

<210> 716

<211> 486

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (463)..(463)

<223> n=unknown

<400> 716

```
agggcactcg gcagagtcac ttagtatttc gactggctcg ggcattctcg ggaaagcttt      60
gaccgtattg tgccagctag aagtgggttg aaggcataca accagtcggt catgtctttg      120
tcattgaggg cctgcaaaaag gacccacagg tgctttgtgc agacagcaaa ggtgtttggt      180
gtcttcacca tggcctgctg gtcctcactg tactccacct gtgctgtgga caggttaatg      240
attccacgct ccacagggtc tttgtcactg ttatagatga agacataagg ccgacggacg      300
acaacaaaat gtttagccca gttactgtaa agaggctcct tgaaatgaag gtatcctttc      360
ttagagacca ctgagcttgg tctaatttct tcaatatctg gaacaagatt gagaaattcg      420
```

ttttttcctg ctctgggcaa atatggtgtt tccacagctg ggncaatctg aaactgttca 480  
aattct 486

<210> 717

<211> 277

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (50)..(50)

<223> n=unknown

<220>

<221> misc\_feature

<222> (229)..(229)

<223> n=unknown

<400> 717  
ggctctctct ctctctggac attacacagg ctctgggcctc catggaatan ttttgcaactt 60  
ctgctgcagg tagaacaagt cagccagttg gctgtgttca tagaggcagc attagactat 120  
cacagacagt ccacagagat tctgcaggag ctgcagagca agctacagat gcggtaagca 180  
cctccacgtt tcttacaagc caagggctgc ggaggtaaca tctattgana tccatctgtc 240  
tgtctctcca tctctccatc ttcccccttc ccctgcc 277

<210> 718

<211> 474

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (49) .. (49)

<223> n=unknown

<220>

<221> misc\_feature

<222> (411) .. (411)

<223> n=unknown

<400> 718

```
tggttaaccat gatctgaggt ggacttttca gccctctcaa gtcaaaagnt gaagcagagg      60
acacagaaac tatgcattct ccttagcctg gccagatcca ctgcatggtc actgggtctct      120
tatcaggaag caatgctggt tagttgtttt gtcctaactg caaaagggag gggcagtgtc      180
aggcagttgg ttgatgtcag gtggagcaag tcttttcaga gggctgggtt ctgtttaact      240
ttctgtttaa gaaagcctaa tgttggtaag tgaaggaggg ggtataaaga gatgtgtctg      300
acctcacacc ctgttatggc cgagaactca gttttcaagg tttctctggg gtcccccttag      360
tcaagaagga gtctgttcag tcaacttcagg gcttagaatt ctattacttc ncagtgtctt      420
tgtcatgttt attgtctgtc tcaacttgctc acttggtggt tacattctac aaca          474
```

<210> 719

<211> 464

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (382) .. (386)

<223> n=unknown

<400> 719

```
ttgtagaatg taaccaccaa gtgagcaagt gagacagaca ataaacatga caaagacact      60
gagaagtaat agaattctaa gccctgaagt gactgaacag actccttctt gactaagggg      120
accccagaga aaccttgaaa actgagttct cggccataac aggggtgtgag gtcagacaca      180
```

tctctttata cccctcctt cacttaccaa cattaggctt tcttaaacag aaagttaa	240
agaaaccagc cctctgaaaa gacttgctcc acctgacatc aaccaactgc ctgacactgc	300
ccctcccttt tgcagttagg acaaaacaac taaccagcat tgcttctga taagagacca	360
gtgaccatgc agtggatctg gnaaangcta aggagaatgc atagtttctg tgtctctgct	420
tcaccttttg acttgagagg gctgaaaagt ccacctcaga tcat	464

<210> 720

<211> 473

<212> DNA

<213> homo sapiens

<400> 720	
tgaagatgga gctaattctt cctctgctcg tggcattttg tcgcttatcc agtcttctac	60
tcgtagggca taccagcaga tcttgatgt gctggatgaa aatcgaggt gattggccat	120
ccgtgactct tgacagcttt attgcatatt tttggcctc ttgtttagt gactgtggtg	180
tctttctttt ctgtttttac cttctagcct ctttctaaga tgcaatgatt tgaaacagct	240
tgctttactt tcttttaatt tgaaattatt gtccaaaatt cacatttcac aagattacat	300
tagctttcct tctgtcaggg agagcataca tagaaagtgt agtgattttt ttcaaaggct	360
tttctagcct actctaagta cttgattcca cttagggata tgcccaagg gccccgtccc	420
attggattga gtgtagact gaagtttact agtcctcggt agtcttttga ttt	473

<210> 721

<211> 280

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (256)..(266)

<223> n=unknown

<400> 721	
tagctattat tactttttat acaagatttg gaaatatctc tctcattcag atattttaaa	60

tgtaatagca tttgatatga tataactcgca cctaataatc tggctctccac taaggactta	120
ttgtaattaa aaagttaaac aagttagctg atggacaata aatctgtttt aaggagggaa	180
gagaaaacag gcccttgtaa atattagctc ttaagtgcc a gctactttat atgcaatatc	240
atttgaaaga tctccnacca tactanataa agaattgggg	280

<210> 722

<211> 388

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (123)..(123)

<223> n=unknown

<220>

<221> misc\_feature

<222> (276)..(305)

<223> n=unknown

<400> 722

caaaaggaca acagtctctt gggccaacat gacaccaaac tctcaaactc tggagaccct	60
cagagacaag gaggaggagc tgctgagttc aaacaagaac aatgaattcc tcaagcccaa	120
gcnagaatgt gacaagggtg caacaaagcc aaccaggaag gtgatgtatg gcccataaat	180
cacttcacaa accagggctg caaagaaagc acccagcaac ccagagcccc gagtgtgagt	240
tttttctact cctaaacctt cacaccccc acactnaccc tctccagca cctcactnac	300
tgctnacctg tcaactcctcc actgaccaat tggcctactc atggggtaag acaagttctg	360
ttcttctgtg gcaaatactg ggcattcta	388

<210> 723

<211> 458



<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (113)..(113)

<223> n=unknown

<400> 723

```
agaatgagct catctctgct tcttcagcta tttttagaat ctgatttttt ttaaaagtgg      60
ttggaggaaa gaaatgaaac tgcattcaac taaactgaac ttggtcacca ttntcatggg      120
gattggtgag gttttctctt tgttgatgtc ttcagttttc aacaaaattg cttcttttga      180
agtttttgct ttttctccta aactgggttat ataggaatgt agtaggtaca ggtcattcca      240
ttatataaat ctgtgtttat aaatgattta cttagctggt ccagcctggt agttaaatat      300
gtatttaagg cctgtttttt caaaaaaaaa atgtatatat agaaaaaaaa atagaagctc      360
acagaatgga tactgagttg ctgaaaatta gtcatttgaa tttaaattctt ttcaggagtt      420
tttgcattag gatttacacc atatactcac tctgaaac                                458
```

<210> 724

<211> 404

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (40)..(40)

<223> n=unknown

<220>

<221> misc\_feature

<222> (258)..(382)

<223> n=unknown

<400> 724  
 gggaacgcac gaaggccgag agcatcgcca gcctgctgan cctggccatc accacggagc 60  
 acacgctcca cgccacgctg ggggtcgccg agttctttga gtttgtgctt aagaaccccc 120  
 acaacacaca gcacacggtg actgtggaga tcgacaaccc cgagctcagc gtcacgtggtg 180  
 acagtcagga gtggagggac ttcaagggtg ctgctggcct gcacacaccg gtgggaggag 240  
 gacatgttcc acctgcgngg cagcctggcc cccagctct acctgcngcn cccacgagga 300  
 ncgcccacgt ccccttcaag ttccagagct tctctgcagg gcagctggcc atggtgcaag 360  
 gnetctcnng ggttgagcaa cnagaaggca tgggacgccg tgtc 404

<210> 725

<211> 393

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (128)..(231)

<223> n=unknown

<220>

<221> misc\_feature

<222> (347)..(362)

<223> n=unknown

<400> 725  
 tataatacca gcataaaata ttgcatagca aataatagat tatgtttgta caaaatccag 60  
 taagaaaaac ataattttct catttaggat gattcataaa atacattttg agcaacagcg 120  
 ataacgangg tcccacatgc gtanatggca gcaccagagc cagaccacc accacggagt 180  
 tcgcgtcac ggaaccagg cctgctgggt gtcagcagca gctaagctgg ntgcaggtag 240  
 tacaaaatga ccagcgctcg gtctctgctt cctcagccaa gtgcacaggt cagccagggtg 300  
 ggcaactgaag tgaaaggctg cagagaggcg gggaggacag cctgcanggc angaggggca 360

cngacaggcc ccagctgggt tccgcaagaa gga

393

<210> 726

<211> 323

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (94)..(94)

<223> n=unknown

<400> 726

gttcaggcat cagtctgggt ttcttggtga gctctctgct gactccaccc agagctccct 60

tgcttccgtc tctgcagcag ctacctccgt tctnacacat ggcttcttct gagttttctt 120

atttcagcca gtaccatgga actctcctga ccttggtggc tttgggcaga aataactcca 180

ctccccactt ctctcctaaa ttactggcaa tggtagtact gagcatgcag ggagaaacct 240

gagctgttaa tgctaggagc gtcaagctgt tggtagtgaa gccatcatcc tctccaagtt 300

cccagatact tctttgtgaa aat 323

<210> 727

<211> 540

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (534)..(534)

<223> n=unknown

<400> 727

gagtgaatgg ccccttatg gcccgaaaga gttcagtgcg gttgatttgt tcccaagggtg 60

```

gggcacagac ccaaggagga ttcactccgg gatttctcag cttccagggg ttgctcggct 120
gccttcatct tgcttccacc tcttcaacca tcttggtatt cactcatccc aaataacatt 180
ggttttatac atttaaattt ggaaatcaaa gttaagccat ggcgtagggg cagaattttt 240
tttacaagag gaaggaaaaa gatccggtcc cacaagaatt cacaggaaat ggctctgggt 300
gagtgtgtaa tcccagtgag tgggaaaaga aaagtgatgc ccggctggga ggaaacgctg 360
agagcaaaaa ggggtcccac ccagcccac gagtctaccc acgacagggt ggggacagac 420
tccttcccc agacaacgac gagagaccag atgccccacg aaacacacat ttttaccagt 480
tgctgagatt tctggctggt ttcttttctt ctttatattt ttttctggat cggncaatat 540

```

<210> 728

<211> 505

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (21)..(61)

<223> n=unknown

<220>

<221> misc\_feature

<222> (328)..(350)

<223> n=unknown

<400> 728

```

gaatgaacac ctaaatttgt nttttttctt ccagtaaata tcttacaagt attattttaag 60
naaaacattt tcttttacag attcaccttt ttggagtttt gctggctatt ttaggaaact 120
tggtgatcag tatttctcta aatattcagg taagaaaaaa gcttattttt ctaacactat 180
agattgatcc agggacacat tatgactctc atgggcattg ggcacttttg tctttgtggc 240
tcttttctcc ataaaaatta taaaaaatat atattttatg acctcattgg tataaacaca 300
aatataattc aggctggagt gcattcannn nnnnnnnnnn nnnnnnnnnn ttaaagaaa 360
ttaattttgc aggatggagt ggtctctgac agtattgtag acccctaggt aaggggccga 420

```

cggtgtctaa tggataaata gcccctgggt ttgatttgca gtactttgat ttctttccat 480  
agccctttaa ccccagatt gggga 505

<210> 729

<211> 340

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (73)..(114)

<223> n=unknown

<220>

<221> misc\_feature

<222> (268)..(268)

<223> n=unknown

<400> 729  
gaattattga aaattatatt aggtcatttt ctagcaaaga tttgtataaa caaatatagt 60  
agttaccccc cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngaaaat 120  
attagatgga aaattccaga aataaacatt tcatacattt taaattgcat gcttttctga 180  
gtagcaggat gaaatctctt gctgtcctgc ttggtatgtg aatcctcctt ttgtccaacg 240  
tatccatgct gcagatgctc cctgtccntt ggtcattcag tggccctctc gggtatcaga 300  
tcagctgttg cagtagcaca gtgcttgtgt tcaagtaacc 340

<210> 730

<211> 329

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(9)

<223> n=unknown

<220>

<221> misc\_feature

<222> (172)..(172)

<223> n=unknown

<400> 730

gcgagannng gcgccgggggt tcgctctgag tcgcgtggca ggccgcgctg cgtccaccgc 60

tgccgagttc agagctgcgc accgcccgcc gccgcaggtc gggttcccag cgctactccc 120

aagacaccgc tcagccatga agatgcattt ctgtatcccg gtgtcccagc ancgggtccga 180

cgcgctgggg ggccgctacg tgctgtactc cgtgcacctg gacgggttcc tcttctgcag 240

ggtgcgctac agccagctgc acggttgga cgaacagcta aggcgggtct ttggaaattg 300

cctgccaccc ttcccaccaa agtactatc 329

<210> 731

<211> 291

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45)..(261)

<223> n=unknown

<400> 731

ccttgatgaa tacagtccat gttaatgcc aaaaaatggg aagangtcaa atttctcca 60

ctgatggtag gtagcccacc tgaatcccca agttctttca ctgtcttgan atagcctcca 120

aggatatttt aaaatatgag agctttcttc agagatcttc ttcctttatg tncccaaaaa 180

cgcagtcatc tttagctatc ttaatcttgc tttttcttga tagaaaacta gaatagtctt 240  
tctgcnggct ttgttgaatg nggtattttt tacctttgcg ttgttcgga a 291

<210> 732

<211> 372

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (139)..(213)

<223> n=unknown

<220>

<221> misc\_feature

<222> (367)..(367)

<223> n=unknown

<400> 732  
gattaagaat agataatctg attgctgttg ttttgtttgt ttggaaagaa aaaaaatgtc 60  
tggcttcttc tactatttgt tttcactacc aaactgtgtt actaaatttc ttgtcatcct 120  
tgtatgtaaa atgggtgcnc nnggtggagg ggtataanan gagggagagt cagagagagt 180  
gtgtatgggn nnnnnnnnnn nnnnnnnnnn nnntacgcac acacactggg gatagataag 240  
ctacctggta aagggtttga acattttacaa aatgtcacac tttttcttaa aagaaaaata 300  
ttttgggggt tgaataaaat ggaccacat ttctcattgg aaccatttaa ttaagaaaac 360  
cagcatngtt tg 372

<210> 733

<211> 220

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (68)..(68)

<223> n=unknown

<220>

<221> misc\_feature

<222> (193)..(220)

<223> n=unknown

<400> 733

aaataaagga atcatctgcc ggcgcttccc accttttggg tggggtctgt tttctccttc 60

agtggaanga cattgggggtc atcatcatta ctgctgaaat gttattactt tagattttat 120

caaaaaactt ggtgtcacca ggtcagaagg gaaaaaaaaa atcaaacttt tttcttttta 180

ccctcacaca ccntccaaca cagcacttcc gnttcctnn 220

<210> 734

<211> 425

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (122)..(213)

<223> n=unknown

<400> 734

gcagccaaag ctgcgattcc tttactgccc ttgttggtaa tgagtgcctt ggtggtaatg 60

agcatctcat gtcagcacia gatatttctct cccatttaaa gtagaaagg gacttcagct 120

tntcagtaaa aagcacagta agattgaatg caagcaaaag aatatgtaat ggatttccat 180

ttttcctaataaagatnttg ctcaagaagt ttnaatctaa ttttaattttt ctaataattt 240

acaaggagat aatagttcca aaatgtgagg ggacatacca ggtacagaaa tgcaggaagc 300



cttgaagggtt ctatgacttc aactaatgga aaaacagatt tagcctaaaa aatgctgttg	360
tttttaaca agtatgttta tgcaaactcc aaacagtaag tatctttgta cccacaagtg	420
gatgt	425

<210> 735

<211> 449

<212> DNA

<213> homo sapiens

<400> 735	
ctcagagcag ttaagccaag ctgcctatgc tctaataaaa tacagtacta taacaataga	60
gaccagagag aaagaatttt gctgtttacc ttgtgcatca ccagctttta tggaccacta	120
atactcagtc actgaagagg tgtgtgctct gttgcggggc agcataagct cgattcaact	180
tacaatacct agatgaactg tggctcaaaa cgaccactt cccttttctt ccatgctcac	240
taaagaacct gcagattgat tgggggtctt tagcaacttg aaaagggtgg acttgaggaa	300
aaactataaa tacaatagtc actggaaatt ctgtgtagac tcaactacac attagtaatt	360
agacacttag gtttagattt catatgcatt tagttcacag gtatcaatct ttgaaaacct	420
gcttgcttct tagtaatagc acagattat	449

<210> 736

<211> 528

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (503)..(503)

<223> n=unknown

<400> 736	
aatctgagaa tatttttaggg cagtgatcct caaggtctcc aaatcagtag catcagtatc	60
gcctgggcaa ttcttagaaa tgaaattcta aggtggtaag gccagaaat gtgtggtaat	120
tagccctaca ggtgtttctg atgatgtctg agaatcactg ctttagagct tcttatatat	180

ggattaacca cagacagtta cctgactgac ctctccata atctgtgcta ttactaagaa 240  
 gcaagcaggt tttcaaagat tgatacctgt gaactaaatg catatgaaat ctaaacctaa 300  
 gtgtctaatt actaatgtgt agttgagtct acacagaatt tccagtgact attgtattta 360  
 tagtttttcc tcaagtcac ccttttcaag ttgctaaaga cccccaatca atctgcaggt 420  
 tctttagtga gcatggaaga aaaggggaagt gggtcgtttt gagccacagt tcacttaggt 480  
 attggtaagt tgaatcgagc ttntgctgcc cccgcaacag agcacaca 528

<210> 737

<211> 408

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (348)..(348)

<223> n=unknown

<400> 737

gaaggacctg atagactggg ttaacaagaa taggtgtggt attgacaatg aacatgaaga 60  
 gtggattggt gatagggaga ttttgaattt tggatttta taggtttttc caagactaga 120  
 agtgatccat ttcattgcag aatgatattt ttatacttca gctcaatttc tagagttttc 180  
 ccctttaaca ggataataag ccttcaacaa agaaccagat gaacagaaag tatactaaat 240  
 aagaaagaca actggttaac ccacattgaa aaagtgaatt gataataaaa gttatatgat 300  
 aaaatgagat aaaatgttta gctgtaaatt cagcaaaact aaaacaanat gataatagtg 360  
 ctgagaaggg tggatgaaac agttgctata atacgttact gatgttgg 408

<210> 738

<211> 531

<212> DNA

<213> homo sapiens

<400> 738

catgcagtct ctcttggaga tgtagtaaaa ataggatgaa ttcagtataa ataggattgc	60
ttcaaactct acagcagaga tggactccgg agctcctccc tggagcagtt taattcaact	120
aaagctaacg aggacatttc tctgacccat accctctatt ctttcaacat aagtgaacat	180
gcctttgcca atagagtcgt tttcctttct gcacaagcat caccaaataat ttattttgtg	240
gtaaaaatat cagtgatctt atttcatatc tcaaaaccat catctccact ttaaagtaag	300
aaatgccagt actaagaaat atttcatatt gacaaaattg agtgaatcac agtagacaaa	360
tacatacctt gttttaaaca atccaatata aaaaagaata caacaattat ttgtcttaca	420
cagaaggatt ctttgcctta tggaaatatt tgacacagag tacttttcaa tatcaagctc	480
tccagtggca ttggtttcaa ttatttttta aatgtaaaga gtatgtttga t	531

<210> 739

<211> 359

<212> DNA

<213> homo sapiens

<400> 739

ttcacttccc atctgccaga ttttgaatta cttaccaaaa ttgcagaatc tgatgttaat	60
ccatatttag gtacttaggt ccatacttag gtctgtcag aatctcatag ccaactcata	120
atcttgtag ttaagccatc aatatcaaaa tcttactgtt acccttcagt tattccagtt	180
tttccagtta tgcaactaaa gctgctagt tctcccttg aaatgttttc tgtttgtgct	240
agttttctat ttttctattg gtacatttca gcaaatttac taatctaaaa acaggacaaa	300
tttatctcag agttctaata ggtcagaaaa tgtggggtca attggagttc tgcgtgtag	359

<210> 740

<211> 291

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5)..(9)

<223> n=unknown

<220>

<221> misc\_feature

<222> (122)..(256)

<223> n=unknown

<400> 740

```
ttgtnagana catatttgag aaccgggggtg aagatgggtg cagggagaat ggtcctttca      60
caaagatgtc cataaactaa tccttataaa tcttgaaaat atgttacttg atatggcaaa      120
anaaattttt caggtataat taagannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnaactg aatagttttc tggccagatt      240
caagaagacg gacgcnacag aggggaagac cagaaagacc aaaaacacaa g                291
```

<210> 741

<211> 432

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (145)..(195)

<223> n=unknown

<220>

<221> misc\_feature

<222> (371)..(388)

<223> n=unknown

<400> 741

```
aaaaatataa taagccagga cctaaagata agaagtcact tcttttgacc agagaagtgg      60
acaaaagtta gtctaaagta gagataatta cctctagagc tttctgggtc ccatcacaa      120
tgattgaggc taaaagtaaa taggnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
```

```

nnnnnnnnnn nnnnnacagg caactgtgct gcacagttgg agcgctacta ttgttttatg 240
taccacattg gaaatcagtg tcatgggatg cctaccctt ttattgtatt tttttctttt 300
taatttctta atctaattga acaaatacac aagtatctgc aattgtattg ttgtaatggt 360
taaaataaaa ntacatgggt tttattcntt tattgtccaa taccaaaatc ttacttagga 420
cattagtatg ct 432

```

<210> 742

<211> 401

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (370)..(370)

<223> n=unknown

```

<400> 742
agtggcatag tgtgaattta aggagtgagt cgtttgggat cagaggggaa catggaggtc 60
tgacgaacat tatgcaatcc cagaaacagc atagtaactc gttccaatcc aatgcctcca 120
ccagcatgag gaggggctcc aaagcggaag gaatcaatgt aagccttaat tttctccaaa 180
tcaattccat gatgtaaagc tctctctgtt agcagttgag gatcatgtat tctttgagct 240
cctgacaata tttcttctcc tctcatgaac atacgtaag agttggactg tttgggattt 300
cttgggtcag gcatgggata gaaaggtctt acagccaatg gatatttatc aagaatataa 360
aaatctgtan catactttcc tttaccaa at gaccaacag c 401

```

<210> 743

<211> 343

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (268)..(268)

<223> n=unknown

<400> 743

```
ttataactttc ccttgaaggg atgtgtgtga gcggcagata gtgtgcagta ttcgaaaaca 60
cctgtcttcc ctccctttc ctatttttcc cattttccct acttctttgc cagttttctt 120
tctgtttaac ccccttgatt accccccaac ttttaatttc ttctcttccct cctccctcc 180
cttctgacta tattggttat tgggcactgg gagaatacta caataatgta gataaagccc 240
ttgccctcaa aaagaatgtc ttgcagangg gaggtgggac agggaagcag tcagttttac 300
tgtagtgtgc taattcagtg tgacatgatg gggcgggggt ggc 343
```

<210> 744

<211> 346

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (6)..(339)

<223> n=unknown

<400> 744

```
cttctngnct naattngtaa tttanctcaa taacgtatct catggcatcc taacaaattc 60
agaacattgt cccactaat ggggctttgn caacagntgt accaanaaaa gcaaangcct 120
ccgcccttca nactcnagct ggactgaatg atcatctcct aggcttcttg cacgctantc 180
tctctgcta anangctttc ctcagnctnn cttnagtacc tgttnaattc tggcctntgt 240
aagcacttga tttagatgtc acccctgtt gaagccttgg gaagatnncc ccatggccct 300
ctgccacccc cgcncatna tgtcacactg aattagcana ctacag 346
```

<210> 745

<211> 214

<212> DNA

<213> homo sapiens

<400> 745

gccagctaact actgctgttg gtatagacat ggaacaactg aacacttagg cggtgcagat 60  
gctaattgtaa gtaggtacat tcactttggg aaataatttc acattattaa agttgaagat 120  
acacataaca ctatgacca gtattcctat gtcttagaga aatctctata cagacataacc 180  
aggtaatgta ttagttggt tatacagtac tgat 214

<210> 746

<211> 189

<212> DNA

<213> homo sapiens

<400> 746

tacattacct ggtatgtctg tatagagatt tctctaagac ataggaatac tgggtcatag 60  
tggtatgtgt atcttcaact ttaataatgt gaaattattt cccaaagtga atgtacctac 120  
ttacattagc atctgcaacg cctaagtgtt cagttgttcc atgtctatac caacagcagt 180  
attagctgg 189

<210> 747

<211> 454

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (8)..(93)

<223> n=unknown

<220>

<221> misc\_feature

<222> (395)..(452)

<223> n=unknown

<400> 747  
ctggaggnta cgtcacgtta tcgtattaat ttagaagatg agacacagga tttaaagaag 60  
aaattagggtc aaatcagaaa tcaattgcaa gangcacagg atcgacatac agaagctgtc 120  
agatgtgctg agaagatgca agatcacaag caaaagcttg aaaaagataa tgccaagtta 180  
aaagttacag tcaaaaagca aatggacaaa attgaggagc ttcagaaaaa cctgttaaatt 240  
gcaaatttgt ctgaagatga aaaggaacaa ttaaagaaac ttatggaatt aaaacagtca 300  
ctggaatgta atttggtatca agaaatgaag aaaaatgttg aattagaaag agagataact 360  
ggatttaaga acctcttaaa aatgacaaga aagangttaa atgaatatga aaatggagga 420  
tttagtttcc atggnggttt naaaactagt cnat 454

<210> 748

<211> 267

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (80)..(80)

<223> n=unknown

<400> 748  
cacataaaca gctcagtaat aaaatcttat ctttcagatc atataatttt tctttaaaac 60  
ctgtacatat tctcttgatn ctttccaaac tagatcttga tttagatttg actcatcagt 120  
agaccctaga ggggaagcta ttgatccaga ttccaattca gcagcagctt ctttgagttc 180  
tctagttata tttttttcca actcctgctg catcttgctc aagtagttct ccatgctatt 240  
atttgaagcc cgcggattga ggcagag 267

<210> 749

<211> 398

<212> DNA

<213> homo sapiens



<400> 749  
 aaaaagcttc ctgagatgat aagaccacag agtgccatat caagcttttag agtgagatcc 60  
 cctgggtccca aaccacaagg gctactggca cagttatgta aaaggcagac tgactcttct 120  
 agctctgata tgcaagcctg ttctcaagac aaagccaaaa tatctcttgg ttccagcata 180  
 gattcagtca gtgaagggcc tcttcttagt gaggggagtc tctctgaaga agagggagac 240  
 caggatggac agccccctttt gaaagtagca gaaattttaa aagaaaagga attttgtcct 300  
 ggagaaagaa atagttatga acccatcaaa gagtttcaga aagaagctga aaaattcttg 360  
 ccactttttg ggcacatagg tggtagacaa agcaaagg 398

<210> 750

<211> 465

<212> DNA

<213> homo sapiens

<400> 750  
 ctgggctcct gatgaatgct gggaggtaac atccacagag gaaggatcat aggcagactt 60  
 tctgttagaa tggctctcct gagggcttaa agtgctatga ggttcaagag ttgatttttt 120  
 ttctgtcgaa gtcccagtc ctggagagga gacaaaatca tttcatatg aaacaccact 180  
 tagaggagtt gcggtggcat tcaaaggccg tgatgttgat gttcctctgt ccaacttgtc 240  
 ttcaaaccct ttccatata actgatagga ttttgtaaaa atattaatga cgctatgtgg 300  
 acttcccttt gccattctt cccatggctc ttgctttgt gtaccaccta tgtgccc aaa 360  
 aagtggcaag aatttttcag cttctttctg aaactctttg atgggttcat aactatttct 420  
 ttctccagga caaaattccc ttttctttaa aatttctgct aactt 465

<210> 751

<211> 497

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (426) .. (426)

<223> n=unknown

<400> 751

```
gaagaatgag accatctggg caggcctcgg tcatattatt ttggatgcgg ccaacccagc      60
agatggcagg gcctgtgttc ccagggtgac gaggggcca gggagccatc cacactccgg      120
caggcacatg ggctccctcc tgctggcacc cagagaccg gacccgcagg cctgcctggg      180
tcctggaagt cttcccagtc ttcccagcca gcccgggccc tggggagccc tgggcacagc      240
agcggccgag gggatgtcct gctccaatac ccgcactgct ctggagtttg ccctctttcc      300
caaggagatg ctgctgggga gctgagtatc ctgttcgcc tctgccacc tggacctccc      360
tcagtggatg tcttccctcc cccgacccca gcctgtcagt ccgagcacag tgcagtgggg      420
cctgtntctc ctggtgctcc aggggaagaa acgacagcct cacttctgta tggactgctg      480
atgtggcctg catcctg                                         497
```

<210> 752

<211> 110

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (22) .. (98)

<223> n=unknown

<400> 752

```
tcgggggagg gaacacatcc antgaggng gtccangtgg cangaggcgg aacangntac      60
tcanctcnc agcagcntct ccttgggaaa nagggcnnac tccagagcag      110
```

<210> 753

<211> 422

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (314)..(314)

<223> n=unknown

<400> 753

ctggcatcct gcagacaggg agacagtgca atcatgatgg agcagtcctt ggcagtcatg	60
gcgacgcggt actgctgcac ctgcaggggc gggaaagatc agctccaggt cacacaggaa	120
gcctctgccc cccacacaaa ccttccttcc cagtagccaa gtgtgggaac tgcttctgc	180
ctcagaacct gaggggtggga ttaggagcga gggccacggt gagcacgggc gtcaggaggt	240
cgccctgtga gagcacctgg gccagccctc agtgccacgg ggctgctcag aggccagcac	300
cgccccctga cctntcacgg caagcagtgt gggaccccga ctccagaccc tgagacggat	360
gatctgtctt cagcaaggtc accacagtcg gcctttggaa ggaaaagcag taagccacct	420
ga	422

<210> 754

<211> 128

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (26)..(126)

<223> n=unknown

<400> 754

atctaaaact atgcaaacca tatatnnaag tcnaaagaag gnagaggana cagtgcac	60
nattctgcnc tgtagangag anagttgnga gcattgtggt gcctgnactt cacntttctc	120
cctggncg	128

<210> 755

<211> 138

<212> DNA

<213> homo sapiens

<400> 755

ggtcagttat ggaaacacat caaagtactc tagaaccaaa agttaatttt tgaaagaaat 60  
taacttaatg tacagatttt ataggaattc tggacgtatt taatatcgtg atgctagaag 120  
aatgtcttac caattaat 138

<210> 756

<211> 506

<212> DNA

<213> homo sapiens

<400> 756

ctgagcataa tgtattggat ttctgggaat taaaggcaat gttatttgac aaagttctaa 60  
ttaactgggt gtacagttaa aatttttttc ttcaaatttt ctcatcagat aacctctcaa 120  
atattttctc atcaaataac ttcttagaaa tggagggttt attttaaaaa agacagtgtt 180  
acatttaatg ctaggattga aatcttccta aagtgggaga ataaataata atgatgtatt 240  
tctctgaatg ctttattgat tccactacaa tttgtccatg tgttaccatg tgttaccata 300  
cttggtatat tatttcatat ccagagtcca ttcagtccta taagagctta ttaaatacat 360  
actaatacat atcaaattat aaatgaatca gtgggcattc tacattttac atcgatatata 420  
tgtacatata tatctacata taaatgctca agcatttagt tgtaagtga acgctttcat 480  
tggcagaaaa cttacttgat gttaat 506

<210> 757

<211> 465

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (346)..(439)

<223> n=unknown

<220>

<221> misc\_feature

<222> (567)..(567)

<223> n=unknown

<400> 757

```
gtgcctatga aggggactgc ccatgaagtg aaagtcaagt gtgtgtctgc tgcggcagcc 60
acggaggcca aggacctcac gggagtaaaa gatgacgaga ctggcttcgg gagaaacacc 120
atccagaaga gacctttcaa aaaacttcta gagactcccc aagacgtatg agatgaaagg 180
cttcttctgt ctgtagaatt acatcaaaat aggactgatg cagttgggac agctcgtttg 240
aacagaaaac agattccaaa tgatctgaaa aaaaggattg caaaggggac gactgtagcc 300
agattctgtg gtgaacttat ggcactgaaa tgggtgtgacg gcaagnaggt gacaatgttg 360
tnaacattcn acattgttac tgtgattgan gaaaccatta gaaatggaaa gaaaactaaa 420
aggccacgtg tcattgtgga ttataacgag aatatgggag cagtg 465
```

<210> 758

<211> 569

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (439)..(439)

<223> n=unknown

<220>

<221> misc\_feature

<222> (567)..(567)

<223> n=unknown

<400> 758  
cacattcggc acaaaaatag cgcgtttctt tccggatctt cttgccatcc ttgtcgtatt 60  
gggagcagca aattttgcag cgaccagttg gattctgttt cccggacggt gctgggtatgc 120  
tcttggggaa atgtcttcca gacagacgaa gaggtgtgac atcatcggag caaggacgac 180  
ctcgaagatg ttgctgcctt ggcttgtgat gcttttccag cattctttca atcaatgcc 240  
gtctgaagtt tatatggctc atcgtgtgct caggattatc cttcttgaac aggatgtagg 300  
agttcagcac tgtaatgtgt agaagatggg gaaagaattt cttataccaa accttgtgtc 360  
ttttgcgctc agatggataa gaagtaagca tttgatcagc cgagtccact gctcccatat 420  
tctcgttata atccacaang acacgtggcc ttttagtttt ctttccattt ctattgttta 480  
cttcaatcac agtatcattg tggaatgttg acaacattgt cacctccttg ccgtcacacc 540  
atttcagtgc cataagttca ccacagnat 569

<210> 759

<211> 435

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (91)..(91)

<223> n=unknown

<220>

<221> misc\_feature

<222> (337)..(337)

<223> n=unknown

<400> 759  
gtctgggagc aggtgggggg cagagcaggg agctgagccc tctactctgt ttacagcacg 60  
tggtcctcac tgatctttct ggggtgggagg nggcttgtgc ggctacaccc tgggcaggcc 120  
agccccgccc ccgggtttat tgccccaggc tgctactggc acaagccaca gaccagcagt 180

```

cccagcccag ggaagctcgg aagatgccta ggagggcctc aaggctcatc cacaacatgg 240
acctgcgcac aatgacacag tcgctgggtga ctctggcgga ggacaacata gcctttcttct 300
cgagccaggg tcctggggaa acggcccagc ggctgtnagg cgtttttgcc ggtgtacggg 360
aacaggcgct ggggctggag ccggccctgg gccgcctgct ggggtgtggcg cacctctttg 420
acctggaccc agaga 435

```

<210> 760

<211> 325

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (35)..(35)

<223> n=unknown

<220>

<221> misc\_feature

<222> (287)..(287)

<223> n=unknown

<400> 760

```

attttttcat catgttattc attcatacaa taacncataa ttgtgtgttt tttgcatgtc 60
actagcttag ttgtgaaata attcctactt cttccctca tagaatgaaa gagattcatg 120
agtaggtaat aatagcatat tcttataatt gaaatgatag aattattatg tgagtgttta 180
acctagctta attatgcaga gaaggcttgc tggaggaggt ggcaccagaa atgtgtattt 240
gaggatttga tcagcaaattg gaacattctc agcagaggga aaatgancac aaagataggg 300
aagtgagaaa tttaatggca tgatt 325

```

<210> 761

<211> 447

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (144)..(318)

<223> n=unknown

<400> 761

```
atgggaccat tctccatctt atagcctcta tttctgttgg ttgcgtcaat atcacctaag      60
ccctcaagta gaaagcttac aaatctcaat tcttctttct tcatagtcta catctccaac      120
ttactactag cacctctagc tatnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntc tctgctctgc      240
agtcacatg aatcacttct taacaagaag ctctgcattt nnnnnnnnnn nnnnnnnnnn      300
nnnnnnnnnn nnnnnnnntc tcccatgtcc ttcacctctt gtaaaatatg tgtagcctc      360
taatcatgcc attaaatttc tcacttcctt atctttgtgt tcattttccc tctgctgaga      420
atgttcatt tgctgatcaa atcctca                                         447
```

<210> 762

<211> 507

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (30)..(48)

<223> n=unknown

<400> 762

```
attataggtt tggtaagac catgccaggn caaaccttat ttggaatntc aaaacacgag      60
aagaactgaa agatactctt gaatctgaaa tgagagcatt taatattgac agagaacttg      120
gaagtgcaaa tgtgatctcc tggaaccacc atgagtttga gggttaaatat gaggcctgg      180
```



cagaggaaat taaaatagga gactattacc tgagattact attggaggaa gatgagaatg	240
aagaaagtgg atcaattaag agatcgtatg aatttttcaa tgagctttat catcgcttct	300
tgctcacccc aaaagtaaac atgaagtgtt tatgtttaca agcccttgct attgtttatg	360
gcagatgtca cgaagaaata ggacctttta cagataccag atatatcatt ggaatgtag	420
agaggtgcac agataaactt gaacgagata ggttgattct cttccttaac aagttgatcc	480
ttaataagaa aaatgttaag ggatctc	507

<210> 763

<211> 458

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (433)..(454)

<223> n=unknown

<400> 763	
agctcggtt acatggagat gtgcaagggt aagcaagtcc acaaggattc ttattccatt	60
tgaatccatg agatccttaa catttttctt attaaggatc aacttggtta ggaagagaat	120
caacctatct cggtcaagtt tatctgtgca cctctctaac attccaatga tatatctggt	180
atctgtaaaa ggtcctatatt cttcgtgaca tctgccataa acaatagcaa gggcttgtaa	240
acataaacac ttcattgttta cttttggggt gagcaagaag cgatgataaa gctcattgaa	300
aaattcatac gatctcttaa ttgatccact ttcttcattc tcattcttct ccaatagtaa	360
tctcaggtaa tagtctccta ttttaatttc ctctgccagg cactcatatt taacctcaaa	420
ctcatgggtg ctncaggaga tcaatattgc actncaag	458

<210> 764

<211> 462

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (178) .. (178)

<223> n=unknown

<220>

<221> misc\_feature

<222> (413) .. (413)

<223> n=unknown

<400> 764

```
gtgaagcccg cggaggagag acttggcccg gaggcgggag ctgggcccggg gccggggaag      60
ccaggcagcg gagtttcgtg agtgctcgca gctcacacct gtggctgtgt atccgtggcc      120
acagctgggt ggcgctgcct tgaaatccca ggccgtgagg agttagcgag ccttgcctnac      180
actcggcgct ctgggttttcg gtgggtgtgc cctgcacctg cctcttcccc cattctcatt      240
aataaaggta tccatggaga aactgaaaa ctcagtggat tcaaaatcca ttaaaaattt      300
ggaaccaaag atcacatcgt gaagcgaatc aatggactct ggaatatccc tggacaacag      360
ttataaaatg gattatcctg agatgggttt atgtataata attaataata agnattttca      420
taaaagcact ggaatgacat ctcggtctgg tacagatgtc ga                          462
```

<210> 765

<211> 490

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (444) .. (444)

<223> n=unknown

<400> 765

```
gaacagctcg tggctcttcc aggacctggg gctccatctt gcagaacagc tcgtggctct      60
```

tccaggacct ggggctccat cttgcagaac agctcgtggc tcttcaggac ctggggctcc	120
atcttgcaga acagctcgtg gctcttccag gacctggggc tccatcttgc tgaggggtgc	180
tttcttgaga ctcttaggg acgattctga tttccctgg agctgtacaa tggcggttta	240
tctttcaagg tcccctgggc ctgggctccg aggcagccac tttccctgga gcccgtgaag	300
gaggtttgga cgccagctgg gctgcctgcc tgtggcgggg caggaatgag agctggtgcg	360
gctggggccc ctgggtgcct ggtcctgctc tcatgacgcc caacccttga acctgacatg	420
ggggcccaag gattctcccc gcangctcgg cagactcacc tgatcaccgg gcaagcgcg	480
ggcggggctg	490

<210> 766

<211> 244

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4) .. (239)

<223> n=unknown

<400> 766	
aatnaagnaa caatcctcct ccanncaaag tncncaacgc attccaganc atcancatna	60
aacaagtcna naaacagcat tnggacnggn ntaacaccaa atgctgncnt agaangnnct	120
angncacacn cngacctgt actctagcac tttcctctac ctccccagct gggcactgnc	180
ctattttaca ttctcaggct gagggtgagc aacctncagc tggggagcca gngcgggtng	240
tagg	244

<210> 767

<211> 173

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (31)..(31)

<223> n=unknown

<220>

<221> misc\_feature

<222> (149)..(152)

<223> n=unknown

<400> 767

gtggatgggt gcagttcagg agatagctgt nctccagcct ttttgaggg atgcagagcc 60

tttccttagg acaacaagc atttcaaaag gtttgaacta cctaaccatt atggcaccag 120

gaaacctctg gcatatgaga aataacttnt tntttgggtc aagatgttgg atg 173

<210> 768

<211> 401

<212> DNA

<213> homo sapiens

<400> 768

attatttttaa aaaaatcagt gtggacttcc attcctcttt cttttgattc cccctttga 60

cttttcatgt atctctcctg ccttccttcc ccagagtgga ggagttagac ttgcctcgtg 120

ggatgagagg agttgtggct ttgtgtctgc tggcaccaag agggctgagg gtgaggtgtg 180

gaagggacag ggggaggaga tgggcagcat tgttgagaga ttggtaacac tgagcaaata 240

aatatgttga gaatgatgac agcaagattt ctccattaga gaaggattt ataaaaatag 300

gaatgaggag agctagaaac ctggagtgtg gcattagaat agaactcata tcttttaa 360

atataggaac aaataaataa attgttgtgt gtgcacatat g 401

<210> 769

<211> 359

<212> DNA

<213> homo sapiens

<400> 769  
 attttaaaga tatgagttct attctaagtc cacactccag gtttctagct ctctcattc 60  
 ctatttttat aaataccttc tctaattggag aaatcttgct gtcattcattc tcaacatatt 120  
 tatttgctca gtgttaccaa tctctcaaca atgctgcca tctctcccc ctgtcccttc 180  
 cacacctcac cctcagccct cttggtgcca gcagacacaa agccacaact cctctcatcc 240  
 cacgaggcaa gtctaactcc tccactctgg ggaaggaagg caggagagat acatgaaaag 300  
 tcaaaggggg gaatcaaaag aaagaggaat ggaagtccac actgattttt ttaaaataa 359

<210> 770

<211> 518

<212> DNA

<213> homo sapiens

<400> 770  
 gaatttttgc ttggcagaag gctggatttt tcttgatgtt gttatgctag tgtacaagta 60  
 gcagtatggg ccagattaaa aacgggttga attaccacat ctgacatgtg ctgatcagtt 120  
 ttatccatta agggagttgg tgcttggtat gctctaagac tgtctatatt tcaatctgtc 180  
 tggctctctt ctttttttca atgggttcgaa tgaaaatatg ggtagcatgt ttatctgatg 240  
 tgtggctagc attcattgta aatcaaaaat tgctgtgggt gcaataaata tggcagtaaa 300  
 taaagacaga catggccctt atcatacctt tagagctatc aaatgaggta acagaattag 360  
 gagctaaaat gacctcagca gggtataata atgtaattaa atttaattagg gataaataac 420  
 tagtctgca tttgggcaaa gatctggctt agcaacaaaa ctttgaaaa agacttagga 480  
 ttttagttga taacacgctc aatatctgtc caacagtg 518

<210> 771

<211> 565

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (355)..(377)

<223> n=unknown

<400> 771

```
aggagatatg attacctctt cttccctttg tatacaaata tgcaaactag ggcaggcaac 60
aatcttctaa tttcttctct ggtgtgagaa ttataaccac cccaaacatt ggaaaacatt 120
agcaacaatt cagtcactca ttaagtctgc aaatattaaa tatttcatag ttacacagtc 180
ttgccaaacc aactctcaaa tcaagaaaga gtgaaaaaac actttaacaa ttttactata 240
aatgctgttc ttttaaccata atgtctttta tcattttttt caaaataaat ttgtaatgag 300
cttttttgca aaaattttta tcaaaaataa ttaagtttgt ctagtttacc taaannnnnn 360
nnnnnnnnnn nnnnnnnaca tgtagacaga gagattgcag taccctgaag ttacagataa 420
aaacctgtcc cttaccatcc cttaaacctt agaaaaatat atggctttgg ggacaatggt 480
aataatattt atataacgaa gaaaaatatg cttagataat aaaagtcata ggacagaaag 540
gcatctgaaa agaaattttt tacaa 565
```

<210> 772

<211> 467

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (294)..(408)

<223> n=unknown

<400> 772

```
ccacaatgtg ggagataggg gataagttca gatggggagg tatagtattt gaggcagcgc 60
tgattcatgt gagttcaaca ctgatggctc tttgaggaag gggttacttg gcatgagaac 120
tcaagggtta gatggctctg aggggtgcacg ttgggaatca ttcagtcaag aaatgctttc 180
ccgagtggct gctgcaaacc aggcataagg tattttcagt ccacttcggg gactcaaaag 240
tgtagaacag agtagtagaa acaacataga gaaccctaaa ggctgaagtt gtgnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnca ctgagttttt 420  
 atacttttgt tcatttgtct atttgatatag aagatcacat tttttta 467

<210> 773

<211> 423

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (129)..(406)

<223> n=unknown

<400> 773  
 tcactggatc gcaaattccag tcagttcatt cactcccctt ctcagtttta tggctcccca 60  
 aatcagggcc tcaggctacc tatgtcattg gctaattgcac tgacagagtg tctaatagaa 120  
 cagagctggn gncagantct agggcngccc cacatanaaa tnaacacact tagcattcnn 180  
 actataacag tcattcaagg agcaataaac acactaacc cctcccctac agaccacttc 240  
 tcttggnaaa aagaacaact cctggggcct tgttgaaacc cagataacag tggctcttaa 300  
 aaaaatgtga ttcttctata caaatagaca gttgaacaan agtataaaaa ctcagtgtca 360  
 acaaatggtg ctagaacaac gggacntcca tacccaaaat antggntttc aaccataac 420  
 att 423

<210> 774

<211> 364

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (332)..(332)

<223> n=unknown

<400> 774  
ctctaaacgc tgagcttttt tcagactatt ttaattcctg ccccgttatt actataccag 60  
gtcgtacatt tcctgttgat caattttttt tggaagatgc aattgctgtg acaaggatg 120  
tattacagga tgggagccca tatatgcggt ccatgaaaca gatttcaaag gaaaagctta 180  
aagcaaggcg gaacagaact gcatttgaag aagtggaaga agacctaagg ctctcccttc 240  
acctccagga tcaggattct gtcaaagatg cagtgccaga tcaacagtta gattttaagc 300  
agtcctggc cgcgtataaa ggggttagca antcagtcac caaaacaatg tccatcatgg 360  
atth 364

<210> 775

<211> 242

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (18)..(234)

<223> n=unknown

<400> 775  
caagtttact cagtagcnaa tagcctaaaa tgaaatttta attttgcttg ttcacataat 60  
tttngntttt tnttccctt ctctgttctg anttctctca gtcgagcctt ggcgaccagg 120  
naaagaaaaa aaaaaggcgn atttctnttc atgcccctct caccanta aaaagtagga 180  
gaaaaagaan acacnnatta aaacanantn gtatnatana tncacttng annnatcagg 240  
tg 242

<210> 776

<211> 453

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (369)..(369)

<223> n=unknown

<400> 776

```
gcgctgggga aaggccacgt cgctatgagt gtgtttcagt ctacctggat taaacgtttg      60
cttctcttcg tctaccttga ttaaactgac acttcgcagt cctcggttct ccatacccgt      120
gacctgggga tcgctacgga ccttaaaata cccgcaacag ccccttcgtc ccaagtaagt      180
aggagaattg cttccctttc ggtttaaaat ctctctgagg ccgttccttg ctctctgcct      240
ttcttcctta ggaccatgta gacaacccca ttcaggtagt gttcccgctt aaaaccctct      300
gcttgggccc cgcgccaaagt cgagtectca ttcgggatgt ggactagcgc ccttcgcat      360
ccccgagcnc ctccgtcgtc tgcccctgga ggggagcgcc cactgtccgg ctctgaagg      420
aagcgcttct tctcccacg tctggggat tct                                     453
```

<210> 777

<211> 100

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (8)..(86)

<223> n=unknown

<400> 777

```
gttctgcnc atgctctgca acttacttca cctctngtag ctctttctcn ngantntttc      60
cgntantntc caatctaaaa nccannatgc ctcttttccc                               100
```

<210> 778

<211> 508

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (341)..(422)

<223> n=unknown

<400> 778

ctaaagtgca tatgggtgca tgtttttcaa aagtttataa tgggtgtccc ttgaaaattc	60
actgtgcata atcatggata aaccagata ctagagatca gtacttgata tttggtgccg	120
aagaagggat ttataccctc aatcttaatg aacttcatga aacatcaatg gaacagctat	180
tccctcgaag gtgtacatgg ttgtatgtaa tgaacaattg cttgctatca atatctggta	240
aagcttctca gctttattcc cataatttac cagggctttt tgattatgca agacaaatgc	300
aaaagttacc tgttgctatt ccagcacaca aactccctga nagaatactg ccaaggaaat	360
tttctgtatc agcaaaaatc cctgaaacca aatgggtgcc gaagtgttgt gttgtaagaa	420
atccttacac ggggccataa atacctatgt ggagcacttc agactagcat tgttcattag	480
aatggggtga accaatgcag aaatttat	508

<210> 779

<211> 564

<212> DNA

<213> homo sapiens

<400> 779

gaacatattt taaaaccatt accattaaaa taaatgaaga tcataaatca caatttagtt	60
tgttcttagt gtatatactc acattaaaat ataaagaaca tataccaaaa agagccaaaa	120
gtgtgcattt tgctaaaacc tggatatatac atattccatt ggaaaaaagc aatcaaaaat	180
gacttaaacc aaaactaagt tcctgtgatg tgtagtaacc atatattggt tgtatgagtg	240
tagtaactaa attattttgg ccatgtatta atactctaag tcaaaagaaa tatgaaaagg	300
atcataaat aaggccaaca aaagtaaaaa ttccaagaga aatttgaacc acttcactct	360
atggaatgtt acagttcttc agtgtgatca tatgaaatgt ttagtgagga ctctttaata	420
atgctaatta attctttgtg catactgtaa ttctgaccac aattgcagta ttctatcatg	480

gtaccgctat tctgtgattc aaaaatgttc aaaggtattg tttttaagca aagacaagca 540  
atcttacagg attctgctta aata 564

<210> 780

<211> 460

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (369)..(422)

<223> n=unknown

<400> 780

catggatgaa agtgccttcc cattatgctg taccctgggc agagtggaca gtgacgaccc 60  
tggttcgagc ccagggtgcg cttcgggacc gcttgcggtt accagaaagt gaacaaatgg 120  
tccatgagcg gaaggtgagg cacctgaggc agagaaagta aagaaacgcg ccgccgagaa 180  
gcagtgcctg ggtccctcac ggaggaaatt gtcttctcct tagcccgttc gcttggcagt 240  
gaggtcctg gcgtccctgg tttgatccca gggtagcct cgggccacta gtgttacccc 300  
aaggtgggca gaaagcccat aaggggaagg cgaggcacct ggggcagaga aaaaaaaaaa 360  
cttcgccgna ganaagcgcg gcctgattcc ccanggacga aagtgtnttc ccatnagtcc 420  
cngcactggg acccggggac cctggtgtcc ctggttcgag 460

<210> 781

<211> 463

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (259)..(259)

<223> n=unknown

<400> 781  
 ctttccctca tgggctttgt gctcccaaag ctccccttgg ggtgcacgta gcggctgagg 60  
 cacaccctga gctcgaacca gggacaccag ggtccccggg tcccagtga gggactgatg 120  
 ggaagacact ttcgtccgtg gggaatcagg ccgcgcttct ctgcggcgaa gttttttttt 180  
 ttctctgccc caggtgcctc gccttcccct tatgggcttt ctgcccacct tggggtaaca 240  
 ctagtggccc gaggcgtanc ctgggatcaa accagggacg ccagggacct cactgccaaag 300  
 cgaacgggct aaggagaaga caatttcctc cgtgaggac ccaggcactg cttctcggcg 360  
 gcgcgcttct ttactttctc tgcctcaggt gcctcacctt ccgctcatgg accatttggt 420  
 cactttctgg taaccgcaag cgggtcccga ggcacacctg ggc 463

<210> 782

<211> 219

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (130)..(177)

<223> n=unknown

<400> 782  
 gttaagcagg gtttttaaaa catggtgtta atgtacataa tgcagccatt ctcaaaagta 60  
 tgacatgggg agaccctgg aggttttctg agaccctttt aaggagtctg ccgagtcaaa 120  
 actatttttn tgatactagt aaaacatttg cttttttcat tctgtctctc acaagtntag 180  
 agtggaattt tccagagggtt acatgatgtg tgatatcac 219

<210> 783

<211> 171

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (28)..(88)

<223> n=unknown

<400> 783

aagatttcga agaagcatat caaaattntt ccacccattc cttcacagta taataggnga 60

aaacatctat cctccgttga cacctggnag aatgagattc caactcactc cagggcatgg 120

ccagaaaaat tcaacaaaag gttttgctaa atcctctgca ctattatcta g 171

<210> 784

<211> 148

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (118)..(118)

<223> n=unknown

<400> 784

cagacctccc ccttcttttt gtcaacttgc tgggagcttt gctttattgg ttggcagtga 60

cctaagaaca ggatatggtg aggatgtcat ggaagagaag agctctttcc gtggtatnct 120

ttggcaagag ccatgtctac taagaggt 148

<210> 785

<211> 145

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (59) .. (59)

<223> n=unknown

<400> 785

caggaacgct gtagcttcct atctcaaaaa aagagagggt ccaagatact ataactttng 60

gggcatcccc ccatgcacat acatggaagg gcggcacaag cattcttcga tgctatcaaa 120

catagtgaag aaacagatgc tgtga 145

<210> 786

<211> 223

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (19) .. (216)

<223> n=unknown

<400> 786

ctagagcctg caggcagtng ggggtgtgga cttnacacac atagagatca ggagagctgt 60

aaagactcac nntgatggct catgtgggtg gtgactnacc cgtgtnagag ggtgctgctg 120

gcaggcagag ctggcagagg nagataggnt tgagggtctc accttttggt ataccacac 180

atnntttaca gggagnttca tgccaggaca ttncnctatg cct 223

<210> 787

<211> 270

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (66) .. (260)

<223> n=unknown

<400> 787  
catccagggt ctaacatcta acaaatagtg gctttagaaa tatataccag agaaaagtga 60  
agagangaca gtatctaagg ngtaatataa gaaatatttc caaaactaaa ggaatttcta 120  
tataaaaagt ttctttttca gaacactggg gnaaaagaga caatttttaa atgttgcagg 180  
gaggngnaaa attaggttcc atgcaaagaa aataggngtc agatgggtatt gngattttca 240  
gtagcaacaa ctgnttnccn caaatacagt 270

<210> 788

<211> 393

<212> DNA

<213> homo sapiens

<400> 788  
gaggaatcgg agtagaatgc gtcagttgga cacaaatgta gagcgaagag cccttggaga 60  
gattcagaat gtgggcgaag gtgccaccgc cacacaaggc gcttggcagt cctcggagtc 120  
ctcacaggca aacctggggg agcaggccca gagtgggccc cagggaggaa ggtctcaacg 180  
tagggagagg cataaccgaa tggaaagaga tagaaggcgc agaatccgca ttgctgtga 240  
tgagttgaat ctcttagtgc cgttctgcaa tgccgagact gacaaggcca caactctgca 300  
gtggaccaca gcattcctga aatacatcca ggaaagacat ggagattctc ttaaaaagga 360  
atttgagagc gtattttgcg gtaaaaactgg ccg 393

<210> 789

<211> 565

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (16)..(541)

<223> n=unknown

```

<400> 789
tcccatacaa aggtcnagtc tgangttttg tntacaaact caaatcncca antaananta      60
nttattnagg gtgactttnt attncactan cgtctattgc tattacctgt ngtnattgat      120
aagtaaance actcattgan aaacccaatt ccaaacacca cagtttgna nacatgaagt      180
aatgaatgac tctnggtatg naaacntggc nttaagcgt ctactgtan agtatttcat      240
ttgnggncaa aagtagnttt aaagcaagta tctngaaaat ttttagcaca caggtttaaa      300
atgntcctgc acgttgcnat acagcngcac gtnactcana gtnatgacna gggggtntga      360
tataacnaat gaaataaaat ttccaaactg tnttagttn acaatttaac ttgtnccaat      420
tgctaaaggg gcatntttta aaggtaanta antananagc cgtgtncnt ttnagcttaa      480
anacagtaca nagnngtgc aattttttta gttatcatgt taagataaca tgatggccnc      540
ngagcattgc taaaatgcta ctaat                                             565

```

<210> 790

<211> 509

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (43)..(118)

<223> n=unknown

<220>

<221> misc\_feature

<222> (225)..(225)

<223> n=unknown

<220>

<221> misc\_feature

<222> (366)..(380)

<223> n=unknown



<400> 790  
cagacatcga ctacatggag cggcagctgg acttcaccct cancnccaag tntgcnggggt 60  
ttncagctct gatcaatcgc atganggctg atgggatgcn ggtnatcctc attctggntc 120  
cagccatttc tggcaatgag acacagcctt atcctgcctt cactcggggc gtggaggatg 180  
acgtcttcat caaatacceca aatgatggag acattgtctg ggganaggtc tggcctgatt 240  
ttcctgatgt tgttgtgaat gggctctctag actgggacag ccaagtggag ctatatcgag 300  
cttatgtggc cttcccagac tttttccgta attcaactgc caagtggagg aagagggaaa 360  
tagaannnct atacaacann tccacagaat ccagagagga gcttgaagtt tgatggcatg 420  
tggattgata tgaatgaacc atcaagcttc gtgaatgggg cagtttctcc aggctgcagg 480  
gacgcctctc tgaaccacct cctacatgc 509

<210> 791

<211> 333

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (29) .. (332)

<223> n=unknown

<400> 791  
atatttttat gtgaaatgtg gttgtatana ttagaaataa gatttacaca tttcaaagca 60  
cactactgca aaaatanatt atttttancc nccnnactct cnttnnagct ttgcctgctc 120  
agatctcaat ctcaccagta gccctttatg ctngggnttt ctcaagacct tcttcttcnn 180  
gngagtngac tcttcttttt tcttccccat nnnngctgcng acaattttnc attaggttct 240  
tacttaggat cactnttaacn atcatcttcn gttncatcng atcttncett ntgtttgcn 300  
ntncnttgct nancangcnn ncnccaacta gna 333

<210> 792

<211> 475

<212> DNA

<213> homo sapiens

<400> 792

```
cagtttgtgg tgtcaaagct gacaatgtga aactaatgca tctatctttg atacaacaag 60
ggacggttga tggatatcgtg gtggtggagt ctggtcacat gactctagaa aactgcatat 120
taaaatgtga aggaacagga gtgtgtgttc ttacaggggc tgctttgaca attacagaca 180
gtgaaataac tggcgccag ggtgctgggtg ttgaactgta tcctggaagc atagctattt 240
tggaagaaa tgaaattcat cactgtaata acctcagaac cagtaacagt tcaaaaagca 300
ccttaggttg agttaatatg aaggttcttc cagcaccaa attgaagatg actaataatc 360
atatttatag caacaaggc tatggagtaa gcattcttca accaatggaa cagtttttta 420
tcgtagcaga agaagctctc aacaaaaggg cttcttcagg agataaaaaa gatga 475
```

<210> 793

<211> 559

<212> DNA

<213> homo sapiens

<400> 793

```
actaccattt cagtggggta tgagaatcat gtattaaaca aatttgtgaa atataaaact 60
ttaacatcaa ttcagacgct ttaacttgtg actattctga tatccccctt gacgtttgct 120
tctatcttat tattattcat ttccagattc agattttgca ttactttgaa gagcatttta 180
tcatcttttt tatctcctga agaagccctt ttgttgagag cttcttctgc tacgataaaa 240
aactgttcca ttggttgaag aatgcttact ccatagcctt tgttgctata aatatgatta 300
ttagtcatct tcaatttggg tgctggaaga acctcatat taactccacc taagggtgctt 360
tttgaactgt tactggttct gaggttatta cagtgatgaa tttcatttct ttccaaaata 420
gctatgcttc caggatacag ttcaacacca gcaccctggg cgccagttat ttcactgtct 480
gtaattgtca aagcagcccc tgtaagaaca cacactcctg ttccttcaca ttttaatatg 540
cagttttcta gagtcatgt 559
```

<210> 794

<211> 513

<212> DNA

<213> homo sapiens

<400> 794

```
gtaacaccaa gggcaggtgg gcaggcctcc gccctcctcc cctactccag ggcccactgc      60
agcctcagcc caggagccac cagatctccc aacaccatgg tccgataccg cgtgaggagc     120
ctgagcgaac gctcgcacga ggtgtacagg catttagttg catgggcaag agcaaggaca     180
ccacggccaa gaggagcaag ggctgagccc ggagcacgtc gaggtctacg agaggaccca     240
tggccagtct cactataggc gcagacactg ctctcaaagg aggctgcacc ggatccacag     300
gcggcagcat cgctcctgca gaaggcgcaa aagacgtccc tgcaggcacc ggaggaggca     360
tcgcagaggc tgcagaacca ggaagagaac atgcagaagg cactaagctt cctgggcccc     420
tcacccccag ctggaaatta cgaaaaagtc gcccgaaca ccaagtgagg ccatagcaat     480
tcccctacat caaatgctca agccccagc tgg                                     513
```

<210> 795

<211> 552

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (549)..(549)

<223> n=unknown

<400> 795

```
ttcactcaga ttttgtgggc ttctcggcgg caactcaggg cttgagcatt tgatgtaggg      60
gagttgctat ggctcactc ggtgtttctt gggcaggtga ctttctctta acttccagct     120
gggggcttga gcatttgatg taggggaatt gctatggcct cacttggtgt ttcgggcgac     180
tttttcttaa tttccagctg ggggtgaggg gcccaggaag cttagtgcct tctgcatgtt     240
ctcttcctgg ttctgcagcc tctgcgatgc ctctccgggt gcctgcagga gcgtcttttg     300
cgccttctgc aggagcgatg ctgccgctg tggatccggg gcagcctcct tcgagagcag     360
tgtctgcgcc tatagtgaga ctggccatgg gtcctctcgt agacctcgac gtgctccggg     420
```

ctcagccctt gctcctcttg gccgtggtgt ccttgctctt gcccatgcaa ctgctgcctg	480
tacacctcgt gcgagcggtc gctcaggctc ctcacgcggt atcggaccat ggtggtggga	540
gatctggtng ct	552

<210> 796

<211> 352

<212> DNA

<213> homo sapiens

<400> 796	
ggcatcgtct atgacactgg aggcctcagc atcaaaggga agatgtctgc agaacaaaag	60
cattttggac acagtaactc caagtgttca catggaatga gggaagtga ggaacgcagg	120
ttccgcgtct tcgttttgac catccccgac tctcgtgttt tattttgggt cctctgtttc	180
gacaccggga ggtaggaaat catgggccct ggaggccccg actgtgccca gagccagccc	240
acaggatctg actgtcagag cgattctcag aaggaatgtg ggtagtagat tttgtgtcgg	300
gtcattgcta acgtccatgt aatgttactt tcaggataag taacaacgat at	352

<210> 797

<211> 541

<212> DNA

<213> homo sapiens

<400> 797	
taaatttctc actttttaatt tccagtagag taaatatcaa tagacattgt tatacaaaaa	60
gcctcttttg ggtcgggtact tgttaagagc gtaaaggggt ctccagtaat gcatttgagg	120
cctgctagtc caggctggtc ttgagctgcc cttgaaatct ttgaaaatgg agctgtgatt	180
ttttttttct tgcaaaactg ggagctgggc tggtccagc cggcttgctt tttgaggagt	240
gaccatttct gcaccatttg ctctacaggc agccactggg gagaatgcct gctgcgttgc	300
gtctgcgttt cacaccaggc cgttggggag agattgtgag cgccttcagg tcaggattgg	360
ggtctttgca tcaatggctg gagcctcagc gccactcca cacagtaaca gctcaggaaa	420
ggcctgctgg ttgatcccaa atccacgtag aacggttcca actgcagcgg ggaagatggg	480
ctggttttaa ataaaaaacc aggtattggt tcaactggtgc cagaacaccc agctcttcct	540

g

541

<210> 798  
 <211> 419  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (118)..(118)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (401)..(412)  
 <223> n=unknown

<400> 798  
 agcatatgaa acagtacagg gttgagctgt cataaagcat gactttgtat ctgacctcgc 60  
 aataattatt ggaacacact gattagcaaa gaaaagcaaa ctgttggcaa tgaagaantt 120  
 tctaattcct ggaacatgct cctttgatat ggtgatgcat tttctgaaac atgccttaca 180  
 cacctcctta ctagcttttg aaatctgcat tgcacaggcg aatatcatgg gcatgggggtt 240  
 tggcaacccg ggggttaagc aatgtcaggc tgacgctatt cgtgtaacca gcacagggtgc 300  
 aggggttttag tgctgtagca gccaatcagg ggcagacagt gtggggttgag tcatattttc 360  
 cgtttacaga accaatgggt attttacata acgacaggga ngtcangctg angacatac 419

<210> 799  
 <211> 427  
 <212> DNA  
 <213> homo sapiens

<220>

<221> misc\_feature

<222> (159)..(159)

<223> n=unknown

<400> 799

```
ctaacttcag tatgtcctca gcgtgacctc cctgtcggtta tgtaaaatac ccattgggttc      60
tgtaaacgga aaatatgact caaccacacac tgtctgcccc tgattggctg ctacagcact      120
aaaaccctgc acctgtgctg gttacacgaa tagcgtcanc ctgacattgc ttaacccccg      180
ggttgccaaa ccccatgccc atgatattcg cctgtgcaat gcagatttca aaagctagta      240
aggaggtgtg taaggcatgt ttcagaaaat gcatcaccat atcaaaggag catgttccag      300
gaattagaaa cttcttcatt gccaacagtt tgcttttctt tgctaatacag tgtgttccaa      360
taattattgc gaggtcagat acaaagtcac gctttatgac agctcaaccc tgtactgttt      420
catatgc                                          427
```

<210> 800

<211> 292

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (291)..(291)

<223> n=unknown

<400> 800

```
gagaactacc agcctgtttc ctgtttccac ctgtaacttc tttttgacat gtgtagatcc      60
tttttataca tgcccggcag cattttgcat ggggccttaa ttaaaatcca gatgaggatt      120
gtctgccaaa tgtatcattt tgaaaatttc tcccaatgca tattgaaagg gatctagctt      180
atgtatgact gggacacagc tggagaagaa catatctctt tttaaaaagg aaagttggat      240
gctgaaatca cagattaatt taccactgta gatagaggca tcagactgtg nc                292
```

<210> 801

<211> 397

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (35)..(35)

<223> n=unknown

<220>

<221> misc\_feature

<222> (393)..(393)

<223> n=unknown

<400> 801

acaccaatgg tcagtgttc tactttggat caaanagaga gaactccaat aggcttaggg	60
tgggtcaggt gtcacactc atctgaggaa ggggagggtc ccttgaggaa tagtaccata	120
gactacccaa tggtggagga taatggcccc aacgcaaaaa tgggatcttg ccaccagaca	180
aatgggatat agatgccagg ctgcaaaatc caacaaatgt acacgtgccc aaatcccgac	240
tccatcacta atagccatgc aatcctctga ctatcaatta gattaattga cactcttttt	300
tctctcgcta ctgtggtaca tgcagtagtt acctttattc ttcactttgt tttctcataa	360
gactaacaag cagtttttta aaataaagaa atnaaag	397

<210> 802

<211> 108

<212> DNA

<213> homo sapiens

<400> 802

aggaactgga gtaatgtgat tccaatgagc ctgtcttgaa ggaactccta ggggattaac	60
ttcagctaac ctgggaagtt atctggagaa accacaacag aaggactg	108

<210> 803

<211> 109

<212> DNA

<213> homo sapiens

<400> 803

accagtcctt ctgttggtgt ttctccagat aacttcccag gttagctgaa gttaatcccc 60

taggagttcc ttcaagacag gctcattgga atcacattac tccagttcc 109

<210> 804

<211> 132

<212> DNA

<213> homo sapiens

<400> 804

gtcacgctaa gggcaactgt aaactggaat aataatgcac tcgcaaccag gtaaacttag 60

atacactagt ttgttttaaaa ttatagattt actgtacatg acttgtaata tactataatt 120

tgtatttgta aa 132

<210> 805

<211> 414

<212> DNA

<213> homo sapiens

<400> 805

gcatataatg tctaggattt ttagttgtac ttattggggg aatagggag aatatgtgta 60

ctccgctttc acaaagcact catatataga tctagtttct caaatagcta aagaactaaa 120

agtgtaccag cagttctgag gctcagcagt atagcccaag aactatgaac tcaggatgat 180

agaagtgaaa gaccatcaca tggtagggtc aagggatatc tgtaggcacc tacttcacag 240

ggtccatgct gaaagactgc aaccaatata cagcgcttat ctgggggcat aactggacc 300

gatatagttt cacaatcaaa atatttccca acaaaatgtg cactgttatt ctggtcccca 360

gtcagtgcac ctggcctgag ttttttagtc aggaaaaatt tctcaaagat gatt 414



<210> 806  
<211> 441  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (3)..(369)  
<223> n=unknown

<400> 806  
gcntgaacac ccattccctc ctgttagtct gtcaacactn agggcacagc aaccacttgg 60  
gcntaggtga agcacgtggc tcttnccatt tatggcctgg cttttgggca attgcncat 120  
agtatntatg gagggaaaanc agaatcatct ttgagaaatt tnnctgact aaaaaactca 180  
ggccangtgc agctgactgg ggnccagaat aacagtgcac attttgttgg ganatanttt 240  
gattgtgaaa ctatatcggg ccagtgtatg cccccagata agcgctgtgt atnggttgca 300  
gtcttttcagc atggaccctg tgnagtaggt gcctacagat atcccttgac ctcaccatgt 360  
gatngtctnt cacttctatc atcctgagtt catagttctt gggctatact gctgagctca 420  
gaactgctgg tacactttta g 441

<210> 807  
<211> 500  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (130)..(142)  
<223> n=unknown

<220>

<221> misc\_feature

<222> (434)..(434)

<223> n=unknown

<400> 807

```
cccttgattt gtgctgtgcc aagcaatatg ggtctgctgt gaatctgcag cctggaagaa      60
acagactcag aagttgacgg tagctggaga agtttttgtg agcttatgca atggccacat      120
ctccaaccan gctctnccca anttctgagt cagctcctgt ttcttagaga gctggagggt      180
ggatgcttgc cccattcagt gcacctttcc ccttctctac ccttggtcct taatgaggat      240
ttgtgcatca aagcacagcg ttctctacca ctccctttaa gtggtagggtg gcaaatacct      300
gtcttgtatt tcttcccaag ctggaagtag gtttttgctt gtaaaactgg agcaggggaga      360
agagttacta tctggagaga atggaaaaca tctgcaaat gaacaaatct cctgttttcc      420
gtggcactgg ggcnttaaac agtgtcacag atggcttcac taggggatta tggacaacat      480
gaagagatcc aaacatgtct                                         500
```

<210> 808

<211> 378

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (316)..(373)

<223> n=unknown

<400> 808

```
ccagaggtaa gcaaagacaa gaactttacc tggtagggtat ccagtccttg agtccagcca      60
actctgaggc taggcttttt cttggctggg tcacatgagc taatagattc cctttttatg      120
gattaaacaa gttcaagttg ggtttttagtc acttgtaact taagaaaccc tgcataatat      180
tgcactgcca tcttgattat acagacaagg gaactgaggc tcagagggtca actaaatcat      240
catagaaacg tatattaagg cacaagggtt tgaagctgga tttgtctgga ctccaaagcc      300
agagttcttt tcttanacca ttttgcttcc caattgagnc cacaattncn gntcacaaga      360
```

gaaggggtna atnaacag

378

<210> 809

<211> 409

<212> DNA

<213> homo sapiens

<400> 809

ctctctcac caacttctac agtatctgag agtcagctga ctaagcctgg agtaattcgc	60
ccagtacctg taaaatccag aatattactg aaaaaagagg aggaagtcta tgaacccaac	120
cctttcagta aataacttga agataacagc gacctctttt ctgaacagga tgtaacagtc	180
cctcccaagc ctgtctcgct ccatccttta tatcagacta aactctatcc tcctgctaag	240
tcactgctgc atccacagac cctctcacat gctgactgtc ttgccccagg acccttcagt	300
catctgtcct tctccttgag tgatgaacag gagattctca caccctctc agtcacaacg	360
catgcaacaa gctgagtcac ccaatggtgg gtaattcctg aacatgaag	409

<210> 810

<211> 591

<212> DNA

<213> homo sapiens

<400> 810

taggggcacg ttagtattgc ggtcagctta atattaagta gaaggcatta aaggctagaa	60
cagtggtgca aaaagctgta ggtaaatctc ttctatgctg gctgttagca gagcactgtg	120
atgctatata attgcagcaa actttttttt tggttctgct gactgcagc tcataaaggg	180
agcactcatt ctggaaaaaa aaaaaaaagt taaatctagc aagtggttag caccagcatt	240
ccaaaaaact tcagcagcct gtgttttcag cctctgctcc aacttcattg ctctttggaa	300
tcaagagctt catgttcagg aatagccacc attggatgac tcagcttggt gcatgcgttg	360
tgactgagga ggggtgtgaga attctcctgt tcatcactca aggagaagga cagatgactg	420
aagggtcctg gggcaagaca gtcagcatgt gagagggctc gtggatgcag cagtgactta	480
gcaggaggat agagtttagt ctgatataaa ggatggagcg agacaggctt gggagggact	540
gttacatcct gttcagaaaa agaggtcgct gttatcttcc aagtatttac t	591

<210> 811

<211> 398

<212> DNA

<213> homo sapiens

<400> 811

cctgagtcca	ctgtatcacc	acaagcctca	acaccaatat	ctcagagcac	accagtcttc	60
cctcctgggt	cacttctctat	cccatcccag	cctcagtttt	ctcatgacat	ttttattcct	120
tccccaagtc	tggaagaaca	atcaaattgat	gggaagaaag	atggagatat	gcatagttca	180
tctttgacag	ttgagtgttc	taaaacttca	gagattgaac	caaagaattc	ccctgaggat	240
cttgggctat	ctttgacagg	ggattcttgc	aagttgatgc	tttctacaag	tgaatatagt	300
cagtcccca	agatggagag	cttgagttct	cacagattga	tgaagatgga	gaaaacacac	360
agattgagga	tacggaaccc	atgtctccag	ttctcaat			398

<210> 812

<211> 613

<212> DNA

<213> homo sapiens

<400> 812

tcagtcagag	aaaggtgcaa	cggaacactc	tccatatttt	cttctttgag	ttcctctcct	60
tgactttcac	aaggtgtctc	agggatttct	tccacctcag	accctgaaga	cccctcctct	120
ggatgggtgt	ctttaatttc	catagcttcc	tcttgatcta	acacactaga	aagtgcctca	180
gaticgagtag	ctggtgacgg	aactgcctga	ctccccgaat	cacaagtgag	atcaatataa	240
acatcttctg	ctaccgtttc	ttctctgccc	ttgcaaccag	tggtctaaaat	actaatgtca	300
tccctgggtgt	ctgtatcacc	tccctttgtt	ttgtcatcat	tctgactcag	ttgtacttca	360
ccatcctgtg	ctggattcat	caggatacta	tcattttcag	caggaacaaa	tttagaattg	420
agaactggag	acatgggttc	cgtatcctca	atctgtgtgt	tttctccatc	ttcatcaatt	480
ctgtgagaac	tcaagctctc	catctttggg	gactgactat	attcacttgt	agaaagcatc	540
aacttgcaag	aatcccctgt	caaagatagc	ccaagatcct	caggggaatt	ctttgggtca	600
atctctgaag	ttt					613

<210> 813  
 <211> 403  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (139)..(139)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (351)..(377)  
 <223> n=unknown

<400> 813  
 tggacacagc agggtcagag caggggctct tagcggccct gttctcacta ctcagtttca 60  
 ggggactgca ttcctctcta caaagggcct ggggtccac tgtctgctta gtgctgctct 120  
 gctccacca tgactttang ggaggggggc atggaccag cccccactgt cacctgtact 180  
 tctgccctgg gatccctcaa gactgggggtg ggaggtacta aaaaagcccc caccctcagg 240  
 gccaggcttg ggtcagagcc aggggtctga ggaagcctgg ggtttccatc cttaccccaa 300  
 ggagacgata cagccctcct ttggtggggc tcagcgcccc ccagagccca nccttgctag 360  
 tgttgactta gtgggactgc caggtgtgtt ggggttgtgt gtg 403

<210> 814  
 <211> 433  
 <212> DNA  
 <213> homo sapiens

<400> 814  
 aattaaaatc tccactccca tgtcccccg acacacacaa cccccacaca cctggcagtc 60  
 ccactaagtc aacactgaca aggggtgggct ctgggggacg ctgagcccca ccaaaggagg 120

gctgtatcgt ctccttgggg taaggatgga aaccccaggc ttcctcagac ccctggctct	180
gaccaagcc tggccctgag ggtgggggct tttttagtag ctcccacccc agtcttgagg	240
gatcccaggg cagaagtaca ggtgacagtg ggggctgggt ccatgacccc ctcccctaaa	300
gtcatgggtg gagcagagca gcactaagca gacagtggga ccccaggccc tttgtagaga	360
ggaatgcagt cccctgaaac tgagtagtga gaacagggcc gctaagagcc cctgctctga	420
ccctgctgtg tcc	433

<210> 815

<211> 1362

<212> DNA

<213> homo sapiens

<400> 815	
atccccatag cctcataaaa gtactttttt ttcagtttta tttcccgta gaagcttgta	60
tgaaaagcat ttgaagtttc aaaagctgcc tatgtctgag aagctgatcc agattctagc	120
ccaaagaggg tgaaatagat cacaatttct tccgctctta tctttgacta cagcttgctc	180
ttttgccctt ctctcccctg ctctgttaga cttecgctgt aaaaacatct cgtgttccca	240
cagccctctt agcttcaagg ccttcttgcc tcccataaaa acctactttt caccctcaag	300
gccagcacct actactctga cctaacctgt tgtgtcctag cttctgtctt ctccaggcga	360
gc	362

<210> 816

<211> 451

<212> DNA

<213> homo sapiens

<400> 816	
ctgggaaagg ttttgatgga gtccagagac agaaggtggg gaagggaaga atctttacaa	60
gcaatttgag gtgcttagga tgcaagggtg ctgcctgga gaagacagaa gctaggagca	120
caacagggtta ggtcagagta gtaggtgctg gccttgaggg tgaaaagtag gtttttatgg	180
gaggcaagaa ggccttgaag ctaagagggc tgtgggaaca cgagatgttt ttagcagcga	240
agtctaacag agcaggggag agaagggcaa aaggacaagc tgtagtcaaa gataagagcg	300
gaagaaattg tgatctatct caccctcttt gggctagaat ctggatcagc ttctcagaca	360

taggcagctt ttgaaacttc aaatgctttt catacaagct tctgacggga aataaaaactg 420  
 aaaaaaaagt acttttatga ggctatgggg a 451

<210> 817

<211> 382

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (342)..(377)

<223> n=unknown

<400> 817

tctttctcct atgcttcagg gtttagattc taggtcagtt gggactgtga aaaaaaatta 60  
 aggatccatt tcagattcat ttttgtgaat ccttattcta cctagcatgg ggtcctgctc 120  
 atagtagtaa taacaactgt taatatgtat atagtaccct ctatgtatta ggcactgttc 180  
 tccaaggact taatatctat tcgtttaatc ttcacaacta ctttcattgc aaggtagta 240  
 ctgttatcat catatatgag tgagggaaga gaagaaatga attcacatcc ccaaagtcgc 300  
 agaactggaa ttcaaatcca aacaatctaa ataatgaact gngnaacaaa caggtggnat 360  
 gttaggcctt actaganggc at 382

<210> 818

<211> 433

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (314)..(315)

<223> n=unknown

<400> 818  
tactgtatct ttgaaacatg atctgtatat tcagcaagtc ctaagcttcc taatgtaaaa 60  
taatctgttt aatattgtat ttttatttgc aagtacatta aaacaaatct tattttactt 120  
gacagtaata tttatgatgc tgacatcctc atagggctta tctgttttgg gattgacttt 180  
gacgttggag atcctctgta caacttccat tccttttagtc actcgtccaa atactgtatg 240  
cttattatca agccaaggcg ttggtactac cgttatgaaa aactgggac cattagtatt 300  
tgatccccgcg ttanncatgc tgagtgtgta cggcctgtca tgcgtaatg ttgaatgaaa 360  
ttcatcttca aattctcctc cccatatgct ttctcctccc ataccagtac ctgttggac 420  
tccagtctga atc 433

<210> 819

<211> 339

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (261)..(326)

<223> n=unknown

<400> 819  
gatggcgctc tccaggggtg gctgggctcg gtcggctgtg tggggctcgg cagtcacccc 60  
tggacatttt gtcaccgga ggctgcaact tggctgctct ggctggctt ggggggcccc 120  
tcgaaagcct tgagccgggc catgcttctc acatcttacc tgcctcctcc cttgttgaga 180  
catcgtttga agactcatac aactgtgatt caccaactgg acaaggcttt ggcaaaaactg 240  
gggattggcc agctgactgc ncaggaagta aaatcgaagc tgagctgtct cnnttgntgc 300  
aaaangnggt cctgctctcn aaaaantacc ttgggaaaa 339

<210> 820

<211> 404

<212> DNA



<213> homo sapiens

<220>

<221> misc\_feature

<222> (17)..(61)

<223> n=unknown

<220>

<221> misc\_feature

<222> (314)..(380)

<223> n=unknown

<400> 820

```
tttaaaaaca gtgcttnatg catttacaat aagttattac agaactctaa gtcactgatg      60
nacacacaaa agctaaaccc aacttactaa ctatgcagac ctctcctgat ctccccaggc     120
tgggcagtaa ttagtacctt acaggtgtga tccatggccc agagaaggca gccactgtca     180
gttacagttg gactgctgga tcacagtgga ggcagcagag ttgaagatcc acagagggct     240
gtaatacagc ccagaaaaga caatggagag tgaaggctag aaacattgag gaaggggtca     300
agaagcactt gtanttcng ttatcttttg caatagaata ttctgnaag ttanncatca     360
gaaaaangng ttcagagggg ttgaaaaaga agtgggttagc ccat                      404
```

<210> 821

<211> 320

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (120)..(178)

<223> n=unknown

<220>

<221> misc\_feature

<222> (299)..(299)

<223> n=unknown

<400> 821

```
gattctttca aatagggagc tccccctagt gcgtttttaga tgagatttac acaagtttga      60
tttgcaggga accttttagg agcacatatg ttgggtaaatt caagggatag ttttaataagn    120
tttaactgag ctcaaagtag tacaaaatgg atatgattta tttcctatag agcattantt    180
taatggtggt ataatttaaa tgagaaggaa tatccccaaa cccagatttt attttctttt    240
aaaacatttg caaaatattt cttcagaatt ttatactcta aaactgtttt ctaaaagana    300
aaattctcca gtcatgatct                                     320
```

<210> 822

<211> 281

<212> DNA

<213> homo sapiens

<400> 822

```
tttagagtat aaaattctga agaaatattt tgcaaagtgt ttaaaagaaa ataaaatctg      60
ggtttgggga tattccttct catttaaatt ataccaccat taaattaatg ctctatagga    120
aataaatcat atccattttg tactactttg agctcagtta aatcttatta aactatccct    180
tgatttacc aacatatgtg ctctaaaag gttccctgca aatcaaactt gtgtaaatct    240
catctaaaac gcactagggg gagctcccta tttgaaagaa t                                     281
```

<210> 823

<211> 212

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (62)..(151)

<223> n=unknown

<400> 823

tttggacacg gacggatacg cgcacaggaa gaacaccgtg taaagactgg aattctgctc 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngatcatgga ctccagcat ccagagctgt 180

gtgacaataa atgtctgtta tcttaagtgg tt 212

<210> 824

<211> 228

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (10)..(209)

<223> n=unknown

<400> 824

tctggatgcn ggaagnccat gatnagagng acagcaggtc ngcnccctct gaaggntcta 60

aganangntc tgaagcangc ccctctccca gcntctggtg atgccttgge tegtngagca 120

gaattccagt ctttacacgg ngttcttctt gtgcgcgtat ccgtccgtgt ccaaattcttt 180

cttttctctt nnntnntngt tttaaaganna cagggttttt ctcgaatt 228

<210> 825

<211> 162

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(152)

<223> n=unknown

<400> 825

gtgnctttct gactantgct gccacccaca cagagantaa ggagtagggc ctgctgggtg 60  
tttagctcnn ggcntnanct tgnntgtnc cncctcctn ncacgcncca gttnttagag 120  
aaacagagnt ggtgtgtgtg tatgcctcaa angcagaaac ag 162

<210> 826

<211> 450

<212> DNA

<213> homo sapiens

<400> 826

agtttgtgaa aagtgatgca atttgttata cattcaaattg caaattagaa ctagctgcct 60  
tacgatgaga ttctactgtc attttttttag caccctaatt ttgtcgggtt ctgtaggttt 120  
caagtagcag aaacttacat ctatttcctt cagaaaatta aggagcagat attttaatat 180  
gctttatgta aataggattc tgataatttt agcttttagtt aatgcaacac acttccttgg 240  
gcacaaccat gacctctctg agaactggaa aatactgcat aatttttaaaa atcagagtgt 300  
aatgacattc cctgacaact tcaaataagt tatgtgagga ggatgaacta tgggtagtct 360  
agaccaccag tcatatttgt ctagccgtag aaacagtgac aacttaaaga tctgcaaaga 420  
tcagagcaga gctggctgaa ggtgcagcat 450

<210> 827

<211> 452

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (65)..(68)

<223> n=unknown

<220>

<221> misc\_feature

<222> (408)..(408)

<223> n=unknown

<400> 827

```
gatcaaagga agagccaacg gcactggata ggagattcta gcatttggct gcttctccaa      60
gacangcnag gttagaaggg agttgagaag ttatgtcatc ttccactgca gcagataccc      120
cttttttagt acttggagat ccccccgaatc acagcatttc taaatcagcc ctggattcca      180
caagtgaagc agcggaggaa ccaggaggtc agcgggtgtca ctcaaactctg.tggcaatcaa      240
gtgggagttc tcaaaaggct atcaaaggaa ggggggttatg ataaggaaag gctcaagacc      300
tgcctcagaa ggagtgaagc gggaagagca ggactgactc cactcagtgc aggatccagt      360
acaaaatgaa gatgtgaggc ttttgtgcaa acagcaggaa aacattanct ttacaggtac      420
taaaatgtaa tgtttttctt ttcttccata gt                                     452
```

<210> 828

<211> 391

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (272)..(386)

<223> n=unknown

<400> 828

```
agtagcaaat aaaaaacaca gccataacaa gttgagaaag acactatgga agaaaggaaa      60
aacattacat tttagtagct gtaaaggtaa tgttttctctg ctgtttgcac aaaagcctca      120
catcttcatt ttgtactgga tcctgcactg agtggagtca gtctgtctct tccctgctca      180
ctccttctga ggcagggtctt gagcctttcc ttatcataac ccccttctct tgatagcctt      240
ttgagaactc ccacttgatt gccacagatt tnagtganac cgctgaacntc ntggtnctnc      300
```

ggctgntnaa cttgnggatt cnagggctgt ttngnaanng cngnantnng ggggttncca 360  
 nnnnctaaaa aaggggtatc tgctgnattg g 391

<210> 829

<211> 398

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (49)..(109)

<223> n=unknown

<220>

<221> misc\_feature

<222> (242)..(291)

<223> n=unknown

<400> 829

ccttcctgaa atgtctttga aggaagtgtc accctttcca acactctgnc agccataact 60  
 gcttggaac aggtctccag gatttgggtt ccatagagca gaaggtagnc ctctgccctc 120  
 atgtctagag ggatgaataa cattctgaaa aggtacaggg tgtgtctagt cacaggagtc 180  
 acctgcaagg ctccaaactc aggctggatg gcccttggg gagtgaattc tgcaagagtt 240  
 gnacctgggg cnaanagaag gagctggaat cactgattct gtatcctggc nacatgcctt 300  
 agaccacagg aaccagactc tgaagcacca cagatgtttc tgtgaacatc tggagttggg 360  
 aatcactgag ttagatcaag aatggattcg gctgccat 398

<210> 830

<211> 408

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5)..(398)

<223> n=unknown

<400> 830

```
tgacnnncaa attcaanaaa aaaacattag agctgaaaaa aagttatddd aatcnatcaa      60
cctgttccaa naaaagctgc tacacatcan cctgnctaaa tctgtggtaa cctgttttta      120
gagagttctt gaaggctact agggggcaaa gaggcattga gattcagtct catggcttat      180
attatgnatt ccaaataaat agtgttttct gaangcagtt gcccaaatgc ctaaagtggc      240
tgactggant natnctcact cntgatggnt ntntaaatac cttatagnnn tgtctnengg      300
gaaanacgcc aagcnancct ttgaaattcc tcaaagctgn acactcatca cctnngantt      360
attnacaacc tcnnctgnna ntgcncntnn ggcnacangc tctgcctg      408
```

<210> 831

<211> 461

<212> DNA

<213> homo sapiens

<400> 831

```
ctcaaaattc ctacactctt gactagtgcg atttggttct tgaaaattaa atttaaactt      60
gtttacaaag gtttagtttt gtaataaggt gactaattta tctatagctg ctatagcaag      120
ctattataaa acttgaattt ctacaaatgg tgaaatttaa tgttttttta actagtttat      180
ttgccttgcc ataacacatt ttttaactaa taaggcttag atgaacatgg tgttcaacct      240
gtgctctaaa cagtgggagt accaaagaaa ttataaaca gataaatgct gtggctcctt      300
cctaactggg gctttcttga catgtagggt gcttggtaat aacctttttg tatatcacia      360
tttgggtgaa aaacttaagt accctttcaa actatttata tgaggaagtc actttactac      420
tctaagatat ccctaaggga tttttttttt taatttagtg t      461
```

<210> 832

<211> 459

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (424)..(424)

<223> n=unknown

<400> 832

```
ggggaatccc cagcaagggt tcttctccag cttcttcacc agcaaccaga agtgccagct      60
taggctcctg aagacgctgg agacaaatcc atatgtcaaa cttctgcttg atgctatgaa     120
acactcaggt tgtgctgtta acaaagatag acacttttct tgcgaagact gtaatggaaa     180
tgtcagtggg ggttttgatg cttcaacatc tcagatagtt ttgtgccaga ataatatcca     240
taatcaggcc catatgaaca gagtggtcac acacgagctt attcatgcat ttgatcattg     300
tcgtgcccat gtcgactggg tcaccaacat cagacatttg gcgtgctcag aggttcgagc     360
tgctaacctt agtggagact gctcacttgt caatgaaata ttcagggttac attttggatt     420
aaanacaaca ccaccagact tgtgtgctgag acagagcca                          459
```

<210> 833

<211> 430

<212> DNA

<213> homo sapiens

<400> 833

```
tagctataaa gatacaattt ctgccttgga gtttaaagca gtttcatttt ttgccatagt      60
tactttttct gataatatgc tagaatcaca gtcttctctg ttttatctgg attgtaggga     120
ttgtttacat tttatatggt tgttcacttg agaaccaaat ttttttttct tcatgatgat     180
ggaagctctg taatataaaa atgtcattgt gctcatatat ttgaataata ccgatcacgg      240
ttttcaaagt ctctgtgagc atatcttgca taagtcttgt tatgtgggat ccttccaaaa     300
ggttcatggg cattgaaaca agattcaaaa acttcatcaa cagccttttt agctacttct     360
ttgctgatat tcctaacagc caggatagaa agagtggctc tgtctcgcac acaagtctgg     420
tggtgttggt                                     430
```



<210> 834

<211> 341

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (186)..(320)

<223> n=unknown

<400> 834

```
cttagcagag ctttctagga gccctatgag cctttaatgc cctggttttg ccctgccctt    60
ctgacccttg cctccttcag gtatgcacct ggccctcacc actgtgctcc tgtgggcatg    120
ggggagtctc caggcctttg aaattgtgga gaaggaaaac atttttcaga ggaccccttg    180
ccctgntttc ctgatgtttg aaaatgcagc ctacctggcc gacatgagct ttgagcttcc    240
ctgtcactgc aaaccgaag aggtncagc tgtagtctgg ttctaccaa agcacctagg    300
tagcagccac accaaanttn tgacggactt tgatgggcgg g                          341
```

<210> 835

<211> 472

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (133)..(133)

<223> n=unknown

<220>

<221> misc\_feature

<222> (466)..(466)

<223> n=unknown

<400> 835  
gttcacactt tcctttctctg acctaaatgt gaagtcagga aacacatgtg cctacttcc 60  
atcctgagct cagtcccca tctcccacca gcctcaggcc cctccacttc tcagatcagg 120  
tcccagacct gcncatgaaa atggggagca ggctgtaaca gatttgtcca catgttccta 180  
ccacctgtcc caaccagggt taccaccca gagacatctg gtatcattta acaaacacat 240  
tgaaggacaa ctggtcttca gagctgaaga gagtcctag ggggagaagc tgggacaaca 300  
gtgaaataag tagcagcagc aacgacagaa gtgaatggtg acaaagactg ctgtgatgag 360  
caggtagcct atcagggtga gctccacagc cgagcgagtc tcaggatctg agaacgaggc 420  
tgggtagcgc ccatgagatg tcacaccag ccggaagcca gcaacnagca ca 472

<210> 836

<211> 307

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (204)..(245)

<223> n=unknown

<400> 836  
gccaattaag ctctttttca gtcttgggat tgtttttgcc ttcagttggt agccctcaat 60  
agaaaatagg tcttctgtca gcagatgttg acaacaaaga aagggaagct ttttaatttgt 120  
tcactaatag tgaaaaagca aacatttaca taacacaaat gtactgataa acacaattaa 180  
ggatatatgc ttgcctatatt gtgntccaag tgttcaatta naattatata attattgtga 240  
aacanaggag gatgatgttc aagctatcac cgattggcct gctcttcctg tttgttaaca 300  
ttccggg 307

<210> 837

<211> 418

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (389)..(405)

<223> n=unknown

<400> 837  
ttcatatgga aggaaaacat catattaagt taatatttaa acgtacacaa ttataatttg 60  
caaaaaaaaa tcaagatgat aatttcttaa atagtaaatt gaaataaatg atattttcct 120  
agcatgcttg tcattcagca ataataagaa actgagataa gaatgcaggc agttgaagtt 180  
cacttcagcc tgagtgaag tatacacaaa acagcaaaaa tattacatag aaaataaatg 240  
ttgtccattg gattgagtat ggtgctacca tttgtcacag tgttcatatt catagttgtg 300  
gctatctttg gggtcactgc tgtattcaga cttgtcttgg aatttggagt catctagggg 360  
tttgaggtca ttttgagatt tgggcttgnc ccaggattgg tgcgnccatt tgtcacag 418

<210> 838

<211> 391

<212> DNA

<213> homo sapiens

<400> 838  
caaaagctca gttttggaga ggataactcc cctgtgatac tctcaggacc acctcagtc 60  
tttagtgaag aagattcatt taaaaaatgt tcatctgaag ttgaagctaa aaataagatt 120  
gaagaactac ttgctagtct tttaaacaga gtatgccaag atggaaggaa gcctcataca 180  
gtgagattaa taatccgtcg gtattcctct gagaagcact atggtcgtga gagtcgtcag 240  
tgccctattc cttcacatgt aattcagaaa ttagggacag gtctccagtc cccagatttc 300  
tgtgcatcct ctctcatgca aagaaggctg gaagacaaac ttgtgaagct agaggggtgt 360  
tttactaaac actaaaggag ttttactaaa g 391

<210> 839

<211> 450

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (37)..(46)

<223> n=unknown

<220>

<221> misc\_feature

<222> (221)..(299)

<223> n=unknown

<400> 839

gataaagatg aacagaatta gtggtttctg gggttanncn nnnngnggag gagcagaaag 60  
aaagtggctt tcgctttgaa aggggtggcag gagggatcct tgtgataaac ctgttctgtg 120  
tgttgactgt ggcgtgggtca catgaatttg aaactccttt agtaaaactc ctttagtggt 180  
tagtaaaaac accctctagc ttcacaagtt tgtcttccag ncttctttgc atgagagagg 240  
atgcacagaa atctggggac tggagacctg tccctaattt ctgaattaca tgtgaaggna 300  
tagggcactg acgactctca cgaccatagt gcttctcaga ggaataccga cggattatta 360  
atctcactgt atgaggcttc cttccatctt ggcatactct gtttaaaaga ctagcaagta 420  
gttcttcaat cttattttta gcttcaactt 450

<210> 840

<211> 339

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (69)..(207)

<223> n=unknown

<400> 840  
 ccccaagccc ctcgcagacc gcaggagtat tttcccttca gaacctgttg catcagaatg 60  
 gggaaagcna gggctgagaa tcccagagga ggccgtgaac tgttctggaa aagcgagggc 120  
 tttgcagtca gaccttcata tgcantttgt tctatctgtt gcgctctgcc taaatgacca 180  
 cgggccagtg actttacctc tctgatncct gctccttgcc tagatagtgg ggatcacgtc 240  
 gtaatgtatg taaagaaccg ggtgcgggac ttggcacctg ggaagtgtct taatacatgt 300  
 ctgtcgagaa aaggaagggt ctcgacgtgc ggaaacaag 339

<210> 841

<211> 477

<212> DNA

<213> homo sapiens

<400> 841  
 tcgttttatt attgcgtttt atgaagttgc caagacaact gaggccaagt aacagaacct 60  
 tgactttatg cgccatgaaa atttaataaa gaattttgaa aggcttttta gaggcaggag 120  
 ctgcagtctc ttaaaggcag agctcagcac agagcggagg gggctggagc acgtggggcc 180  
 tctcaccaga cctccaggag cctccgctgt caggggcgtg gaggtgggca gacgtatttc 240  
 ctggcatccg tcttgtttcc gcacgtcgag acccttcctt ttctcgacag acatgtatta 300  
 agacacttcc caggtgccaa gtcccgcacc cggttcttta catacattac gacgtgatcc 360  
 ccactatcta ggcaaggagc agggatcaga gaggtaaagt cactggcccg tggtcattta 420  
 ggcagagcgc aacagataga acaaagtgca taggaaggtc tgactgcaaa gccctcg 477

<210> 842

<211> 303

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (26) .. (258)

<223> n=unknown

<400> 842

```
ggtttttctc atctttaaaa tacaantant tatgctctta aatcaaggct gtctgcttat      60
ttatantagc gtaggcaaca cttggntttc nntancttag tatgcttcat aactgnttta      120
cagagagctt ttgcttggtc tttctcatgt atctcgtgtt tatgtgcaca gtgccaaaag      180
aagactgact ggggtggaggc tctgnttgcc tcaagaacca tcccctgcag agcatccagg      240
gaggtttctc ggcccaanag cctcacggca cagtactctt gggcagtaac tggacacctt      300
tta                                          303
```

<210> 843

<211> 515

<212> DNA

<213> homo sapiens

<400> 843

```
agtatcatta cagaaaatgt tatggtacag aattgtttaa cattattttg tctttgctct      60
tgatttccac atgaatgctg gtaacactaa tatctgtaca agatcagtct ttgattttat      120
ttttttgttc tgtacaattt taaatgtatt ggtaaaaaag gctgtcagca ctttaaggaag      180
cattttttct tcagtttggt tcttcaaata aaaggtgtcc agttactgcc caagagtact      240
gtgccgtgag gtattggggc gagaaacctc cctggatgct ctgcagggga tggttcttga      300
ggcaaggcag agcctccacc cagtcagtct tcttttggca ctgtgcacat aaacacgaga      360
tacatgagaa agaacaagca aaagctctct gtaaagcagt tatgaagcat actaagaagg      420
gaaatccaag tgttgcttac gctagtataa ataagcagac agccttgatt taagagcata      480
agtagttgta tttaaagatg agaaaaaccc cacgc                                          515
```

<210> 844

<211> 508

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5)..(90)

<223> n=unknown

<220>

<221> misc\_feature

<222> (389)..(437)

<223> n=unknown

<400> 844

```
caagntcaca caattaatta gtggcgaatc ataatttgaa gtctttctaa tgcccaaatag      60
tttccattgt gtcacatata ggagctgtgn tctttccatc agccagtttc ccattatcat      120
agctgatgac atgcacaccc accatctggg gcaggcttta gtacagcact ctgtgccatc      180
atccagatca ccaaattctta gtaaattggac gtgtcataag agataaggct gccatagaat      240
cacagcagct tctggcttag taaattacct ggatacacac cttttcctag aggaaatccc      300
acatcttcgt agaagatctg gtgtaatgct cttgggacct ctctctagag gatgagctag      360
tatcactggg tcttagtaag tttcagcann tatantagag acagaactgt catcattatc      420
agaaaagaaa cagaganaaa tgttaaaaca atggttttgt gaccttaaag tctgtggttag      480
tccccttagc accaccgctg agattttg      508
```

<210> 845

<211> 503

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (154)..(154)

<223> n=unknown

<400> 845

```
tctgtcttct tcaatgattc ccccttgccc gtattttcag ctggaacagt ttctcatttt      60
```

ccctatttct gaacactttc aggggcttcc ttcagtgaag cccaacacac aaaacgtccc	120
tttcagcaaa atctcagcgg tgggtgctaag ggantaacac agactttaag gtcacaaaac	180
cattgtttta acatttttct ctgtttcttt tctgataatg atgacagttc tgtctctatt	240
atatttgctg aaacttacta ggacccagtg atactagctc atcctctaga gagagggtccc	300
aagagcatta caccagatct tctacgaaga tgtgggattt cctctaggaa aagggtgtgta	360
tccaggtaat ttactaagcc agaagctgct gtgattctat ggcagcctta tctcttatga	420
cacgtccatt tactaagatt tggatgatctg gatgatggca cagagtgtctg tactaaagcc	480
tgccccagaa ggtgggtgtg cat	503

<210> 846

<211> 557

<212> DNA

<213> homo sapiens

<400> 846

gaatttctgt gtttctaaag aatctaattt caattactac cattaacata taaatgtgct	60
tccaaaatcc aagcagggtcc atacaattta gagatttgaa cactgttata atgctttaat	120
tcagtcattc attaaaatat tatctattca cttatttgat gattccaaac atttgatatt	180
gtattgtggt tttataatta ttgaaaatct gttcaccagt gctttgtaat ggttttatta	240
attgtgtagc cattgctact tagatagtaa cccactgagc aaaggcagtc atttattttc	300
atccttgaag taggggaaga aaattattaa tttattagtt ctactttttc ctgcattgct	360
tattttgtaa acattttatt atgaataatc tgttctcttt cactgtatta aaaggagaag	420
aaaatgaaca ttgagaatg gaaaaaagta ataataaca aataatctag tgctataaaa	480
tgcattatag taagacactt ttggtgtctt cgagtggcac atgttgggaa taaattttat	540
actgttgctt agtaaat	557

<210> 847

<211> 554

<212> DNA

<213> homo sapiens

<220>



<221> misc\_feature

<222> (43)..(43)

<223> n=unknown

<400> 847

```
attcgctaca atgttgaac tattacaaag ctggataaaa gangcttttag tagcaataga      60
aagcaagagc aataaaaagt gaatagagaa aatatttggc cttactgac tcttggcagt      120
atttacatta tgtacatatt gttaaataatt tataataatt ctaaggcacc aaaggctaaa      180
tagcagggtg caatactatc ctgtgcacaa aaatcaagaa atttattgta aagaggctgt      240
atagttaaag aaacataggc atatcttaat gtttacataa tggagcggct gcatttttaa      300
aaatctcaaa tgatacatta aatattgggc agatcgaaga tattatTTTT agaacattaa      360
attatattga ctatgtaaat aagcactatt ttttactgac ttgctggtaa atgtgaaatg      420
taatctattc gtcaacacag cttttttcac actcatggat atgttttgtc taaaaactac      480
ttgaaattct tctgacctac aaaaacttat cctaattatc cataatgtat acaaaattcc      540
caagaagaat ttac                                                                554
```

<210> 848

<211> 525

<212> DNA

<213> homo sapiens

<400> 848

```
ctggactttc attctcaaaa gcaatccata tgtgcctttt gagagcctgg cagttatatt      60
catatggcat atttagatct tagccaagaa tcagacatag ctctccttcc ctgttgcttt      120
tctccatcat ccttccacct gccacccatt tgctccatga ctctgcctt tctcatttcc      180
tttcttgcat gcaaaactaaa aacaaaaaca aaaagtcatg tgatttcttt gtctacttt      240
tctctctct gagatgaatt tttaattgtc agcaacaatc taattagtcc tgaccagagc      300
ctgttctttc tttcagccta tttgcttttg ccttcagggt tagtagctgg caactaatat      360
ccactagaac tgaatcacc gaattatcat agggctgagc taatatctg gctgtagatg      420
ctatcatagg cagaaagaaa attgaaaggc aagttctacc atgggcctgg ctgtaagcag      480
ccactgttag gtccagactc catgctttta agttagcctc aagat                                                                525
```

<210> 849

<211> 508

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (453)..(500)

<223> n=unknown

<400> 849

```
tcccatacaa aggtctagtc tgatgttttg tgtacaaact cacatctcca attaacagta      60
tttattgagg gtgactttgt attgcactaa cgtctattgc tattacctgt tgtgattgat      120
aagtaaagcc actcattgaa aaacccaatt ccaaacacca cagtttgtga cacatgaagt      180
aatgaatgac tcttggtatg aaaacgtggc atttaagcgt ctactgtgac agtatttcat      240
ttgtggacaa aagtagcttt aaagcaagta tctggaaaat ttttagcaca caggttttaa      300
atggtcctgc acgttgcaat acagcagcac gtgactcaga gtcatgacaa ggggggtgtga      360
tataacgaat gaaataaaat ttccaaactg tttttagtta acaatttaac ttgttccaat      420
tgctaaaggg gcatatttaa aaggtaataa gtnaaaagcc gtgtactttt taagattaaa      480
gaaagtanca aaggatgtcn aattttttt                                     508
```

<210> 850

<211> 361

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (66)..(66)

<223> n=unknown

<400> 850

gacaggcagg acgcagcggg ctggcctgcg gggctcactg ctgcccccg gggccgagca	60
cgaaanggag agttggaggg cgcttcctcg ccgggtgttg cgggtgtgagc ggggactggt	120
gagtgtgtgc tgtcttcaga gagagaagag cagttttcag gaatctatct accgccgggg	180
agccagaaga tggaggaagc tgtaccgtgc caacggccac ctcttccaag ccaagcgctt	240
taacaggaga gcgtactgcg gtcagtgcag cgagaggata tggggcctcg cgaggcaagg	300
ctacagggtgc atcaactgca aactgctggt ccataagcgc tgccacggct cgtcccgtga	360
c	361

<210> 851

<211> 540

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (12)..(12)

<223> n=unknown

<400> 851

ttcctggcgg anaggtcagt gcatcgagtt ctgtttccgt ggaaaatgtg caccttggaa	60
accgcatgac agccccctcg gcagggtccc cgcggatccg ccgcgacgca ggcacagcag	120
caagttcctc cagcacgaag ctggcctgcc cgggcccgagg tgtgagggac tgttctgctc	180
ccagcagcgc ccgctgacgc ttccctctgc ggtctcggcg caaggtctgt ccctggccgc	240
cctcggagcc gtgcccagcc tggcatgcat atgcggtggt taaggatata gttaaagggt	300
caatcacgcg tgtccacgac agagacgcac gcggcctcac accgactcct cgggtggacag	360
caataatggg ttgatatact caaagccttc gaactctgac tggtcgatcc tctttatggc	420
atcctcatcg tctgggggtca gctgcacggg ctcgctgggtg aactgtgtgt caaagttgtc	480
cagaccgtag tcgtctgtga tctgtggctg gaatggaggg aacgctgctt tcttctccag	540

<210> 852

<211> 318

<212> DNA

<213> homo sapiens

<400> 852

```
gcattttttaa ctcatggaga atcaaataaa acaagtttta ttctgggcct gataacacat      60
caccctggcc tagttttcgt tccctggaga gacttgcaga tttgcctgtc actttggcca      120
gtttatcaca gagtggcatg tgttcctatg gcctggggct ggggctgcat cccttgcttc      180
tgtttggacc cagagtcttg tggagggcag gaatgaggaa ggtgacaccc cctgtccacg      240
ctcacacagg cccatctctg ctttaccttc agggactctt tcagaatcca aatctgttaa      300
aactccaaga aaacatag                                          318
```

<210> 853

<211> 282

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(166)

<223> n=unknown

<400> 853

```
gaaagantcc ctggaggtaa agcaganatg ggcctgtgtg agcgtggaca ggggggtgtca      60
ccttctcat tcttgcctc cacaggactc tgggtccaaa cagaagcaag ggatgnagcc      120
ccagccccag gccataggaa cacatgccac tctgtgataa actggncaaa gtgacaggca      180
aatctgcaag tctctccagg gaacgaaaac taggccaggg tgatgtgtta tcaggcccag      240
aataaaactt gttttatttg attctccatg agttaaaaat gc                                          282
```

<210> 854

<211> 459

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (77)..(77)

<223> n=unknown

<400> 854

```
cacagaccca gccgatgact cctcttcctt tgaccccggtg gattttctcc ctctcgaca      60
gcattctgat cttccanaag agcatcatga tcctccaccg tatgtccctg ctccggctct      120
acccctctcc cccactctct ccaaccaacc cacttctgac tctgagtcct ctctgcctcc      180
tcccctcacc cgctctcggg cccaatgtgc tcagcaacca gtcaccttgc ttctctcgg      240
ggaagtagcg ggagtagagg ggatcgcca tgtccacgtc ctttctctct tctacgatct      300
cttacagatt gaagaacgtc tcgggtcctt ctctccgat cctgatactt acatcaaaga      360
atttaaatat cttactcaat cttatgaact cacttggcat gatctctact ttatcctctc      420
ttctaccctc cttccagaag agaaggaaag agtgtggct      459
```

<210> 855

<211> 304

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (21)..(21)

<223> n=unknown

<400> 855

```
atgagatcac atggaccaca ngaaggggaa catcccttct ctttcttacc ctaagtgaag      60
cctgaccata acctctgagg acatatttcc actgcagact gcaagtgggtg gctgatgttt      120
ctctcacagc cttcattact ccggtactac aggtagagat gggctctctcc tttgcagctt      180
ccaatgcgtc ctcttcctta aaatcccccc tttgaatgca tgtcatcaca ttgtgccact      240
tctatgcctc ttctttgcgg ttaaacacac acctagtctt ttgaagataa ttcttggtc      300
attg      304
```

<210> 856

<211> 455

<212> DNA

<213> homo sapiens

<400> 856

```
gcaaggccgg ctatggagct gccgtcgtgt gaccacagtg tgatgtctca gaagggctct      60
gggtgggctg agcatctggg ctgtgccctg gctctgcttt tcacctgga caaagtcgct      120
gtggacttca atttcttcac ctctaaaatg ggggacttgg accaggtaga ttgctgagct      180
cactaccagg ttcaaagttc aatgacaaac tcagtttact gaggtttgag agaacatccc      240
tccaggggag cctgggagct gctctcccag tctaagcatg tagatatcat cgtttgcctt      300
ttgtgtgtgt gtgtccctta tttgataaaa agatgttttg agttgttttt tttttaagca      360
ctcacttgta attttagttt ttaaacccaa gtccctctaa ctttgccttt gataccaaac      420
aattcaaaag ttggatctga gtttggagaa agata                                455
```

<210> 857

<211> 514

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (263)..(497)

<223> n=unknown

<400> 857

```
tccagatagc aacagctgat tgttcaaagt gcagggtttt tggatattca agtaccacag      60
gatcggagaa aaggagtact tgaaacctag agttgcgttt tcacttgaga agacacactt      120
tggaacacc tatccaacag actacaaata taggctatta aattaanaat ctggtttcaa      180
aataataccc acttaggttg gaaatatctt tctccaaact cagatccaac ttttgaattg      240
tttggtatca aaggcaaagt tanagggact tgggtttaaa aactaaaatt acaagtgagt      300
gcttaaaaan aaaacaactc aaaacatctt tttatcaaat aagggacaca cacacacaaa      360
```

aggcaaacga ngatatctac atgcttagac tgggagggca gctcccaggc tcccttgag 420  
ggatgttctc tcaaacctca gtaaaactgag tttntcattg aactttgaac ctggtagtga 480  
gctcagcnat ctacctngtc caagtcccc cttt 514

<210> 858

<211> 532

<212> DNA

<213> homo sapiens

<400> 858  
tgtatacaga acatccttca tggcttaagc agaagaaatg atggagttgg ggggaagaatt 60  
cgaactcttt ggtgtggttt cctgttattt atcctcaaaa taatttattc tcattctttg 120  
cttgtagacc attagcctta ggctcgtgta acagcctcct tttcctcat tgaaatgtat 180  
gtaatttcct tctccactgg aatataaaaag attgattttg gatccttcaa gctagattta 240  
gaaatactta tgtttttata gtgtttgcag ctgagtgagt agaccagtga gtaatttagt 300  
gtgtagctca gtgagtcatt taaattcctg ttttaaaatt tgagtccttc ttccatcagg 360  
agctgattaa catgtacatt tcccctaacc taacctgctc gtttttttct tttttgagct 420  
tttctcccct tcttgagctt gtttgtttgt ttttaaatatt tttccttctt tgaaaacaaa 480  
atgttagtct cctttgatta agctgcagtc tctgacctac atacatacag gt 532

<210> 859

<211> 466

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(4)

<223> n=unknown

<220>

<221> misc\_feature

<222> (111)..(426)

<223> n=unknown

<400> 859  
agcnttgggc tatctttaat actccccaag catcttgggc aactcgtaac ctttgtctca 60  
gtttcataat caataaaata ggaaaaacta caaggatgaa taattaatta nattagtcag 120  
gattanatgc tagcaaaactg cttngaagtt actttatggt gttctcagtt atcttcctac 180  
tcagtaaaac taatagatga gaaaacatct ggnattacta tagatagtca catctgcaga 240  
ctcacagcag ttaaaaagac gatctctaca antttctgag ccagagttca ttcaangacc 300  
ccaaagattn taagatacaa ccacaatgaa caattttagg tgaanttctt ttcagtctca 360  
aggacaccta ttcttaacct anattctcaa aaggaaccac tacaacagaa atctcagagn 420  
gtcttnaggg gtcttggcac aagacaattc taggtaagat gaacaa 466

<210> 860

<211> 531

<212> DNA

<213> homo sapiens

<400> 860  
gtttatctct gggagagcta ttgaagtgcc tgacaggaga ggacactaag agtacctcca 60  
gtctccaact gcctcctcdg gcagaactga gcaagtccta accatgcca aaacatcatt 120  
atctctggtt ccatcttagt ccctgcacac cctaggattc aaggactcaa gtaagttggg 180  
gaggggaaca tcttttcacc cctggaaaac cttgtctcct cccaagccct gggaggggag 240  
aactgctgct aatgagatgc tggtagttag tcttgaatt tttacagtat tatctgcaga 300  
atgaatgact accagcaggt actctgaatc tcttttcttt ctaataagat gtaatcaacg 360  
aaccagattg tggccttgga gctgaccaa ggatcagcta aaggaattgg acacatcctg 420  
agctagttaa cacatgggta ttgtcggctc aagatgctct ttaggggcta gtgactcatt 480  
catgatgtgc aggaaatggc acagacacct ccatgaccac agaaggtttc t 531

<210> 861

<211> 450



<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (194)..(445)

<223> n=unknown

<400> 861

```
cctggtttca gatacagtct tatgaagagg ttcccagctg aagagattgg aaggcagatg      60
gtagccctcc tttttttctt tccagtagta tttttagtgt catgatgtaa tgaagtaaag      120
cagtggcctc aaccctgacc acatattaga atcacccaga aagaatcact cattcatttt      180
ttttttttta tgtncaagan attctgattt cattggncng ggggtggggcc tggacatnaa      240
tgttgtttgn aanatcctna natgactgga atgaagccag gctnagaatc aggcataatg      300
ccanacagag aggnctttgg gaatagaacc aggatgnggt aaactcnnan gtanaatcca      360
ngtctcnanc ccngccttgc cttcccctga ncctctctnt ntnacttctt totgttngta      420
gaccctntga tgacggcgcc tgnanaaacc      450
```

<210> 862

<211> 347

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (108)..(129)

<223> n=unknown

<220>

<221> misc\_feature

<222> (315)..(315)

<223> n=unknown

<400> 862  
gtgggaaggc cttcagccag agctcatctc tcattcagca ccagaggatt cacactggag 60  
agaagcctta caagtgcagt gaatgtggaa gagccttcag ccagaatngc caacctcacc 120  
aaacaccanc gaaccacac cggagagaag ccctacagat gcagcgagtg tgagaaagcc 180  
ttcagtgact gctcagctct tgttcagcat cagagaattc ataccggaga gaagccctac 240  
gaatgcagcg actgtgggaa ggccttcctg cacagtgcaa acctcagcaa ccatcagagg 300  
actcacaccg gggngaaag cccttacaag ttgcagcgaa gtgttgg 347

<210> 863

<211> 353

<212> DNA

<213> homo sapiens

<400> 863  
tgcattgtggc tctgggctgc agactctaag ttagatgtct tcagatgctt tcaagccttt 60  
agcatttctc agatcctcac ccacctgtcc tgagtcggca tgctcgggac tctctccact 120  
tctaccatgt tcttagttac tctccggcgt ggagtctctg atgtctaacg aaggcagagc 180  
tgcaccggaa ggccttccca cactcgctgc attcgtaggg ttacacgcct gtgtggattc 240  
tctgatgctg actaagggat gagctctggt taaacgcttt accacactca ttacactcat 300  
aagggttttc tccggtgtgg attatatgat gccgaatgag ggctgagctc tca 353

<210> 864

<211> 119

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (51)..(105)

<223> n=unknown

<400> 864  
cctacgctga aattttgggg gcaggttctc ttgctagggt ttgagggttt nctgaagata 60  
ttcctgaaga atcatcccag gtgccacact aaaaaaatga tccanttgac agctacccc 119

<210> 865

<211> 199

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (148)..(148)

<223> n=unknown

<400> 865  
aagaactgaa aaggtatatg accgggtatc agtggaagct gtgttgccaa tggacaaacg 60  
actggacaga cttattttctc actgcggccc agtaacaggc tacatctttg ctttgttggc 120  
agttttcaac ttctctttcc tcattttntt gagatggatg actccagatt ctatcattga 180  
tgttgcaata gatgccact 199

<210> 866

<211> 161

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (17)..(46)

<223> n=unknown

<220>

<221> misc\_feature

<222> (159)..(159)

<223> n=unknown

<400> 866

gagcgatggc tacttttncctt agcaagttcc ggatagactt ttctnntatc atggttctag 60

gagatatcaa taccaaacca aagaaagaaa atattatagc ttttgaggaa atcattgagc 120

catacagact tcatgaagat gataaagagc aagatattnc a 161

<210> 867

<211> 224

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (31)..(205)

<223> n=unknown

<400> 867

gccttttcggg ccagtgggat ttatgaaaaa ngccatctct atagctgagg atgaagaatg 60

gaagagaata cgatcattgc tgtttgcaac attcaccagn ggaaaantca aggagatggt 120

ccctatcatt gcccagtatg gngatgtgtt ggtgagaaat ctnaggcggg aagcagagac 180

aggcaagcct ntnaccttga aacangtctt tggggcctac agca 224

<210> 868

<211> 236

<212> DNA

<213> homo sapiens

<400> 868

tattgattct ttagaaatat ttaaattctt actagtcatt taaataaaat tagttcttta 60

aaataataga agcactaaga cctacagcag aaataaacta gaaacagcat gattacagga 120

acatccaagc atcatttggc aaactggggt tcagggaagc aaagcctttt cagtagtaac 180

taatggaaca tactcacttt cattttcctt ctaattatct tcagggttaa agtaag

236

<210> 869

<211> 440

<212> DNA

<213> homo sapiens

<400> 869

gctacacata tacacaaatt attttaaaca cattgctggt gtcattcaa caccataaat 60

tcatacaata gctgatattt agtagcagtt cgaacatggt gtagtcacaa cagatgtgtc 120

catgtactat acataagagg ggctgatttc acctattcca tattttgaca tattggggaa 180

aatgggcagt ggcggaatcc tgaaacacaa gctgccttta gagctaattg agtttttgct 240

gcccaactga actggaaatt tattcaagat ttgcagcaga tatcagccat gcaggatgac 300

agctgtagat ggtgacacat ccattaaaaa tttgaatttc taaaattctt catatttggtg 360

aatcagtagt actttataac ttaagaatgc atacatgttt tgccctcctct gagactagat 420

ttagcatctg taaatgagat 440

<210> 870

<211> 396

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (112)..(122)

<223> n=unknown

<220>

<221> misc\_feature

<222> (272)..(370)

<223> n=unknown

<400> 870  
agctattaaa ggtatttgaa gaaactatag gtatagtggt gaatactcgc tgatatgaat 60  
cccagaaaaa aatttcctgt ttttaatggt cttttcaatc ccatctagat antttataga 120  
antataaccc taattggaca tgtgggtacag gatctataag ttgctgtggt tttttgttac 180  
tctgtatttt gttccttttg gtaagggtgaa gtgtgtccaa agagttactt gcaacagtct 240  
ttcatgatat gaggatgccc ccgtattacc antctgatta tagttctgag ttctttgntt 300  
tactcatgct gcatgacaaa atgtttacta ataacaattc attataaagt tatatccctc 360  
tttacatcan ttatctttct cactgaggtt cattca 396

<210> 871

<211> 428

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (402)..(424)

<223> n=unknown

<400> 871  
tagcattgga ctaatagtca ttatccagat tatctttatt tcacacaatg accagtgaca 60  
tggccaagat gtacaaagtt ggttccatca agtagtatac aattttttgt ataataatct 120  
ttcattcttg aaaaagagta actgaaaaga aaggtttctg ttactgcagt tagtttgta 180  
gagaaagttc tttgcattat cttataaact atcaaaattg ctagtcatct gaaaaaatgt 240  
aaaaaaaaa tcacataact ttagtctaata agaaatatag tacagggtgag agagaaagta 300  
tttatcagga tgtgctcttt aagtccatct catttgtttt tcaatataaa tgtacatctg 360  
attacatata caaacatttg gaaagggtctg tgatatactg tncgtggcaa caacaggggg 420  
atgnagag 428

<210> 872

<211> 410

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(146)

<223> n=unknown

<220>

<221> misc\_feature

<222> (403)..(403)

<223> n=unknown

<400> 872

attttacatt cttttttcca aatgaagtct tcaaaatcca atgtgntttt cctcttagaa : 60

aacatctcag tctggcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnngttc ttcattagga gactgatggg ggggggcctt 180

cctggtgggt cactcactgc catagctctt gtcatactg atgaaggcag gactgactct 240

tattatgttg gcctagagta gaaagcacag agctatgtcg aggctgctgt ctcagcctct 300

ggaagttctg cttcacctgc ttagtaagag gagatgacca ctctgtgga actgcatgct 360

ccatctgccc ccagaagggtg tcggcgctgc ccagtcctg tcncttatga 410

<210> 873

<211> 393

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (268)..(391)

<223> n=unknown

<400> 873

tattttatttt ttccatgaac aagtcattta attaattacc agacacttgt ttttcttcaa	60
tcgatggaaa tacaatatatt ctgccaatc gaaaaagaaa attgcaagat gcagtcagtt	120
tcagtgaagt ccccaaatgc tctctgcttc ctcagtcctt tcaaagtcac aggaacctgg	180
caatttcctt tttcatcccc cctcccactt ccttgctaaa tttacctctc agaacatcac	240
aatagtgtca agatctgggt tgaatcgnct ttcctgtaat taattaatta tgagaaggaa	300
cagacagtnc aacagatctg ataagatgta gcattcttgt taagattnaa cnacacattt	360
attcacaacn natcagaaca aattaaccat nag	393

<210> 874

<211> 562

<212> DNA

<213> homo sapiens

<400> 874	
gtcctatcca tttcaaagca gaagctgtgg aatggtatta aatatttttt aaaattaatt	60
cacctgttta aaagaaaaca ttgcatctca aaagggtgaag atgattgttc tttcttccat	120
atcctcctta cggcatgtcc ttggataact tttcaaagg tatccacact tttggttgag	180
tttagttttc ttagaaagta gagaagtaac actttactag aataatgaac aaggaattga	240
tttgctctag gccagctct gccataaact cattgtgtat tcttagacag gtctttaact	300
tcatcagtgt gttgtttttg tgaagtgcaa aataaagata gtgatagttt ctgctgtagc	360
cctcataggg acattgggaa gcagtataag aaaaacttca gcaacatcat gattattgat	420
gctaatagga aaaataaatt catgtaaccc tagagaatcc aggtcaattg tatttccttt	480
ggaaagcagt ttaacatgta agcgttcaaa gatgtgattc agataaaata cccaggtcca	540
tagtgaagat gtttttcagt at	562

<210> 875

<211> 431

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature



<222> (272)..(429)

<223> n=unknown

<400> 875

```
cacaagactg tatattgttt gaagactgaa ataattttct agtgaacaa ctctgtaaca. 60
aaatttaact aaatgtaaca tttatgaaaa tataaatctc tgattgggta attcttccca 120
acgatacaaa gtttacataa aacattcaa tatgagctat cagttgcaaa caagttagga 180
aaaatcattc aagtcacttg tatactctat tggcttttac atagaacatt cacatactac 240
atttaatcca tctaggcatt taattcttag anatgtgtgg catggagggt caactgataa 300
tgacaggaat gagaatgtgt tgcctanaga gctcnanagc atagactcat ataatcaact 360
ccaggtgatc tgnatgtggt ttgcctnctc tgggctacca tctccctngc tagtagctaa 420
accatcagna a 431
```

<210> 876

<211> 399

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (89)..(89)

<223> n=unknown

<220>

<221> misc\_feature

<222> (326)..(399)

<223> n=unknown

<400> 876

```
ggacttcgct gacgaaagtg ccaataaaga caatgccaca gcaccagaac caaatgaaag 60
cacagagggt gacgatgggg gcttcgttnc ccatcaccag cacgctgggt ccctctgcga 120
gcttgggggt ggggagtgcc cctcggggag tggcgtggag tgccccaat gcgacacggt 180
```

cctgggctcc tcccgctcgc tgggcgccca catgaccatg atgcattctc gtaactcgtg	240
taagacactc aagtgcccc aagtgcaactg gcactataag taccagcaga ccctggaggc	300
acacatgaag gagaagcacc cggagncggg gggtcctgtg tctactgcaa aacgggcagc	360
cccacccccg gctggcacga ggcgagaact acacgtgtn	399

<210> 877

<211> 334

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (27)..(327)

<223> n=unknown

<400> 877	
aattggtttg ttattaattt ttgtatntaa attcatttgt ttgnatngtn catcttcana	60
gcntacaatc tgnnggtgnc ngttcctaca ctggtcagac cactgtcctt ggggcagctg	120
gggtcttngg gaccctccac ngggctcn cn ggccgctcgg acttttggcn gagatncgng	180
ncanantcct ccnaatagtc gtctgntggc atcgagggcn gaaccctga ngtgctgcat	240
gaacttngg taaccgttga acnncacgag nnangngnaa aagaagnggg gttcgtgcc	300
gaagcccgga agaccacttg cgnnnangac ttcc	334

<210> 878

<211> 345

<212> DNA

<213> homo sapiens

<400> 878	
ggccacagta cttactgagg acttcatatg gtttttttgt ttattattat tgagaaaaga	60
gctgagggtta ccacattcat tctttgtgtt agaaatgtag gagggtgtg gttttctgca	120
atatttagag cttagtctca taatttggaa ttaagataa taagtagtaa caaggcaagt	180
cttttatgta agacagtcaa acagtgtcac ttcagggaca aaggcctgga agcccttaaa	240

ataagttatc ttagatgtgc cagaacatat tcagagcttt attcctttaa gcttaaggct	300
tcaatacttg tagaaatgca aatattcttg agaaatgata cattt	345

<210> 879

<211> 450

<212> DNA

<213> homo sapiens

<400> 879

gtacgcatca aggcaacaga atacacatgg aatattggc gtataattca gcattctttt	60
ggaggcaaga gggaggggtga acaataaaca ctaccaccta aaattaaaga ttgagacata	120
catggtttcc tcatgcaaac agtaacaaac tacctttagt gtgaaacgaa ctctgtagaa	180
acctgatttt ataacagcag atgaatttta taccaagatc tccaagaaag gaggaaaagt	240
catgatcctc agatgtaatg tttaaatctg catttagcag catgtgaaga tgcacaaatt	300
acacattaga caaatctgaa aaattttacg attatggaat cttgaatttc cttctacatt	360
ataaaaatgt atgtaaaacc attgtttaat tactaaagga taataaatgt tggttgagag	420
tggaccatga atgataaagc atttaaacad	450

<210> 880

<211> 514

<212> DNA

<213> homo sapiens

<400> 880

gagactctca gtcataaagg aatgaccaag agagtgggtc tccagtgaga gaaatgccta	60
tgaaagaggg tttccctttt tgctcttttg aacaccctcc cactgatcc ttgggaccca	120
acgccgcatt gcctcttgca gatgaggttt tgccttgggc tgcttgggta cttcagacca	180
ggactgagtc tgacacagct ttcattgaggt tacagaaaag ggctacagat ttgggaagct	240
gtgtgtaatg gtcttgagac aatatctcca tttggcccac cctggcttct ctaaaaagca	300
acgacagcaa cagacaaaca aaaagctccc acctcccacc ccgttagctg tcctcctcct	360
tcactgtgat gtggttgagg tctctgtagg tgtgtgtgcc accttgtcc tctgtcctct	420
ggggatgtgc ccttcccacg tgtgtcaggt tcccactctt tcgtgggtcc taacgtgaag	480

tgctgtgatg tttctgccct gcctaaggaa cgta

514

<210> 881

<211> 379

<212> DNA

<213> homo sapiens

<400> 881

aattgcagac aaaagattca ctacgtgggt agtcaacatt gctaaccaat cacagaacaa	60
gatactaacc acagcaagga aggggtaggg gcttgtgact cagtctttga gaacgtgcga	120
gcattccatg ggatatcgag ggggtcccaa gaagaaggct gctcgatccc cacattcttc	180
atctcatcag cgacaggtct ccctcccaga accccatcag gacaggagaa aaggcagcaa	240
gagaggtggg gtgggtcctgg cacgtgggcc accagtcttc tgaatgaaga gtgagtcccg	300
ggtcaggagt ccacatcagg tgtgggctgc ttccaatctg taggttctcc tggagattgt	360
cacaatctgc cagctctct	379

<210> 882

<211> 238

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (126)..(228)

<223> n=unknown

<400> 882

acaacaaaaa aaggaaaaat aacgcttcaa tgcttttaaa acagcaagat aatagttctt	60
tgatactttg agaggcgctt tgatgaccct catccaagtc tatgacactt tcctatgggt	120
ttctgnatnc tatgnctgga tggagctgtn aaaagatgaa caanttggng gatntttggg	180
gaaanaca naattctnaa anctcncccg tgaattgtga aaaancangg gggggaac	238

<210> 883

<211> 184

<212> DNA

<213> homo sapiens

<400> 883

gtgggattag tttcttaggg aaatgcctaa gggtaggcgc ctaccaagca taaggacatc 60

atttccaggt tttaataatc aaaatagtag aacattctac tattcataat atcctattat 120

ttctgtaacc ttcgtagttg caagtttggt tttgggtttt gttttatatg gccctaacaa 180

aaat 184

<210> 884

<211> 260

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(254)

<223> n=unknown

<400> 884

cngacggtnn tcataanaaa caatagaaaa acatcaatna aatcaaaaact aataaaaatta 60

atctcaagcc atatgaagaa agaagttata aactatnaat atcagtaata agagaagtct 120

cattactata tattctatan atatnaaatg gataaaaagt naatattatn aacaagttta 180

tgccanaaat attcaaaaacc ttanatgaaa tggacaaatt tcttttaaga caaattacca 240

agcctcactn ananaaaaaat 260

<210> 885

<211> 297

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (180)..(289)

<223> n=unknown

<400> 885

cttctgttcc ttgtttgtag agatttttaa aaatcaggaa tatttgtag atttgtcaa 60

ctgctctttt ttaagctttt taataagatg gatcacattg actgattttc aaacgtagg 120

tcaatcctac tttcctggga ttaggtctca cttggtcata atgtattatc cctttgatan 180

attgctgaat tcaatttgca aaaatngttn tttttaacaa attttgcttt tncanttatn 240

ngagntatng gtntataggn aggnctctnt ncttntnata ncttgggcna attttgt 297

<210> 886

<211> 211

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (63)..(83)

<223> n=unknown

<220>

<221> misc\_feature

<222> (193)..(197)

<223> n=unknown

<400> 886

aatatcctat tttatcccat tttagaaccc agacttcctt aatagtactg gtgtcaaatt 60

gcnnnnnnnnn nnnnnnnnnn nnnnggtccc attttgaatc tttcctgggt tcaactcaca 120

tgtactacat ctagtgtttt ctctacaaac agttgcattc tcttacctgt gttcagggtcc 180

acaccacga gcngacntga ttctgaatgt t 211

<210> 887

<211> 490

<212> DNA

<213> homo sapiens

<400> 887

```
gttccttcca gttcaattta acagcttcag tgaagttagt ataatgataa gaaaaattga      60
ctgtagctat tattccaagt gaaaatcatg cagctgagtc ctgctgcac ctggaagcaa      120
agcattaatt caaatgagga gtagtcagtc ctagcactgt agacgccgac ttaccaacc      180
aagatattgt atgtgtgtga cattcagcta acattgatct aggcacttag ttgctacca      240
cattgttccc ttcattgatt gaaactgtaa ataacataac actttaaggc agctaagcaa      300
atattttaat aagccatgaa aggcaagatg ccagagaaaa tctgtatatt cagctatttg      360
gagaactcgt gttttccaca aattaaactg gagatgtcat ttgaaatttt cttcccttaa      420
acatgctgtc acaacatgga ttccttctca tgggatggcc ttccaaggct tataaatata      480
tggtgtgatt                                     490
```

<210> 888

<211> 442

<212> DNA

<213> homo sapiens

<400> 888

```
caggaattca ttaggtcaga atagaacatc attatttaca cattcaagga ataactccag      60
tgctaaatca gcgaggtact tacactgaat ttaggaaata tgactgaaga gagagtttct      120
tcttacacat acaggetcaa atcctttata catttatttc tgccttgga tcttagtaca      180
tattgctgaa atcactatta attgctgaat aaaatttcac aaaatttatag caatcacacc      240
atatatttat aagcctagaa agacatccat gagaaggaat ccatgttggtg acagcatggt      300
taagggaaga aaatttcaaa tgacatctcc agtttaattt gtggaaaaca cgagttctcc      360
aaatagctga atatacagat tttctctggc atcttgccct tcatggctta ttaaaatatt      420
tgcttagctg ccttaaagtg tt                                     442
```

<210> 889

<211> 243

<212> DNA

<213> homo sapiens

<400> 889

```
cttaattagt tgccttcact atttccgaat atacctgtgg ctaagttttt attgaaacac    60
tcaaaaatac cacttctcag tatgaacaca attgctaaga gcctaatttg gttctggact    120
atgggtcaacc tgtgtgcctt gttagttctc tccagcagct ggtgagtaag gaaatgaccc    180
ttcaatttcc tcttcttttt cctctgacct ctgtgactta atttttctta atgtctccaa    240
gtc                                                                    243
```

<210> 890

<211> 446

<212> DNA

<213> homo sapiens

<400> 890

```
tgcaactaaa tctaacagta tttgtacgag tactttcaag ctaaagtact gctaaaaaat    60
ttcaacatgc atgcaattcg ttacataat aacataattt attataaaac ctgtgactct    120
gagcacttta tggaatatgt gcttatggaa taccctctac tgtaacatgg ccacatctga    180
gaaaagagat gctgctgagc agaagagtcc tgtgttcaat tttgttgaaa tgggttggt    240
gctcagactg ttcaggactg ctactgtgct atgatagcat tgcttgatag ctcaattcac    300
atcagacttc agaagacttt caagcacaag ccgtaggcca ccaacaaact ggtagcacia    360
gcagccttgg caaaacacag ttactatgca ggtgggctct gttttaagca aagtcgatat    420
tgaaaatcca aacatacaaa agagat                                          446
```

<210> 891

<211> 454

<212> DNA

<213> homo sapiens

<400> 891

```
gaaaaaaaaa gaaagcgaaa aatggatgta agcaagataa ctcgttatat cgaggattgc    60
```



tttagtgatt ctaattgtgt acccaataaa tcaaaaatgc aagaagtaga ctttctagaa	120
caaaatgaag agctacaagc agtagactca cagaaatatg cattatcaaa agtgaaagcct	180
gaatcaactg atgaagactt agaatctgtg gatgccttcc aacatctaata ttataaccca	240
gataagtgtg gagaagagag ttcacctgtt catactagca cttttctttc aaatacctta	300
aaaaagaaat gtgaagagag tgattctgag tcacctgcta ctttcagtac cgaagagcca	360
tcattctacc cctgtacaaa gtgcaatgtg aattttaggg agaagaaagc acctccacag	420
ggcatatgat gtatcttttag atgggggatag tcac	454

<210> 892

<211> 154

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (49)..(145)

<223> n=unknown

<400> 892	
ccccatgtgc aatgcctcga tggcattcca attcattttc tgctactgnc atgaagntan	60
acncttcana ncannantac cttttanctt tttcatgggt nttaacntgn tgnacaaaatg	120
tttnagggca attggtaccn aacnnacact gagg	154

<210> 893

<211> 188

<212> DNA

<213> homo sapiens

<400> 893	
tccttaccgt accataatct gaatgggctc tatatacagg tgctgtggag catcttttgt	60
aaaaacttcc ttgtggtgac atttttagatt atttttatgg gatatagtc accaaccgta	120
attacctggt cagcgtttta aactcttgca acactaaata tatacaccta caatataccc	180
gcaaaaaat	188

<210> 894

<211> 151

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (108)..(108)

<223> n=unknown

<400> 894

g ttgcaagag tttaaaacgc tgaccaggta attacggtg gtggactata tcccataaaa 60

ataatctaaa atgtcaccac aaggaagttt ttacaaaaga tgctccanag cacctgtata 120

tagagcccat tcagattatg gtacggtaag g 151

<210> 895

<211> 462

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (262)..(262)

<223> n=unknown

<400> 895

gctgggtatg tctcatggag aggtgctttc actgcttccc tgttcaccta gtcttcaatc 60

tggtccagag tttcagcccc atctctggag ttgagtcctg ccttctccct caatgtgaca 120

aatgttg gcc aatggtatat cgcagttgtg atgcaagcag aggcttggt aatgcctgca 180

tactgggggtt tgtcctcttg gaatgctcat ttgtgggagc cctgaacaac tatgtaagaa 240

gtctggctac cctgctggag anaacacatg gtgggaagag actaaaatta tgtgaagaga 300

gTcaggccag ccattcccagc ttctctgctg agccccgccca tcagccaacc tgccagctga 360  
 atgcaaccgt aagagtgate accagcaaga tctactagaaa aaccacctaa ctgagcccac 420  
 cctggattga acaatcataa acaaataaaa tggttattgt tt 462

<210> 896

<211> 97

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (3)..(74)

<223> n=unknown

<400> 896  
 canttangtg gtttttctat tgntcttgnt ggtgatcact cttacgggtg cattcaneng 60  
 gcangttggn tnnnggcgtg gctcagcaga caatctg 97

<210> 897

<211> 398

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (183)..(262)

<223> n=unknown

<400> 897  
 gtcctcactc cagcttttcc tagatccttg ataggtcttt ctctcttttc tactggtcct 60  
 ctcttcaagt tagattttta/ atttttacct tgagaaatta gggcctcatg ggacagaaaa 120  
 agtagcacag ggctagaaac ctggtaactt tgattctatt cctcattctc ccactaacct 180  
 aannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nntccagca tctgaatgac acacagtctg tgattctgca 300  
atccagtgat aacaaacttc ttcaaaatta tgaccatgat gttttacttg aaaaaaaaaa 360  
agaatatctt gttgaatcca ggtcatgggtg tggaaatt 398

<210> 898

<211> 397

<212> DNA

<213> homo sapiens

<400> 898

cagcaggaaa gtttgtttcc cacagccctg aaaccacaat acatgcatgg caacctgtta 60  
catctaagaa aaagttaaca attacaaaat aattataaca aaagagaact tggctgggtg 120  
agctgatgca tggaaaccct gccctgcata tactcaggta tagacacatt tcttcaaaca 180  
caaagattca agctcaaaac caagaaaggg aaatacctga aggccaaaaa gagagaactc 240  
aaaatcagag cagtaagtgg gagttgaagc cctgcagcta aggagcttgt tgggccttac 300  
gtagacttaa tggcagagtc ttggggcttt aagggtgtg ggtggggatc caggctgctg 360  
gtcctgtgta caatgttcaa gggggtgatg gaactgt 397

<210> 899

<211> 63

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (13)..(13)

<223> n=unknown

<400> 899

cggacgcgtg gtnagcaaga gaactagaag tagagactga agatgtggct gaattgctgc 60  
aat 63

<210> 900

<211> 119

<212> DNA

<213> homo sapiens

<400> 900

tttacactgt agtctgttaa gtgtgcaaga ctattgtcta aaaagcagtg tatgtacctt 60

aatttagaaa tattttattg. ctaaaaaatg ctaatgacaa tctgaacctt tagcgagtt 119

<210> 901

<211> 550

<212> DNA

<213> homo sapiens

<400> 901

ccggattctt caatcaaccc cgaccacttg tcttatttcc actttgtggg gcggatcatg 60

gggctggctg tgttccatgg aactacatc aacgggggct tcacagtgcc cttctacaag 120

cagctgctgg ggaagcccat ccagctctca gatctggaat ctgtggaccc agagctgcat 180

aagagcttgg tgtggatcct agagaacgac atcacgcctg tactggacca caccttctgc 240

gtggaacaca acgccttcgg gcggatcctg cagcatgaac tgaaacccaa tggcagaaat 300

gtgccagtca cagaggagaa taagaaagaa tacgtccggt tgtatgtaaa ctggaggttt 360

atgagaggaa tcgaagccca gttcttagct ctgcagaagg ggttcaatga gctcatccct 420

caacatctgc tgaagccttt tgaccagaag gaactggagc tgatcatagg cggcctggat 480

aaaatagact tgaacgactg gaagtcaaac acgcggctga agcactgtgt ggccgacagc 540

aacatcgtgc 550

<210> 902

<211> 459

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (22)..(422)

<223> n=unknown

<400> 902

```
gggtgggagt actatggttaa angagggata tatgggtggg anccaccaac aananntncc      60
catccccctc ccccaacaga aaggananan acaacccttt ccctcaggt gntntggant      120
tccagggcct ctgccagntt tgcaggaggt gcacanaagc tggatgcttt tggctctggtg      180
gccatgagct agactctgtt gccttttggtt gnntttcacn ccacagcaaa cccgcaggtc      240
tcctncacng ntgtcagcan cttctcgtag agnttctcat aggantcata tngtggantg      300
tcnntccggt taaagcaggt atnggccttc ggaaggttgt ctgtgttcnn gtctatcagg      360
tggatggtga acanccgggg ccctgccgcg nctgtagnac cttgcaaanc cttgaagcct      420
tngagcggga ctgcggtgga cccagtcaca aactgcagg      459
```

<210> 903

<211> 290

<212> DNA

<213> homo sapiens

<400> 903

```
agacctcaat gtatgggtgc tatataaatg tgaagtagac ataaaatctg cctgttatat      60
ttgtcctttg ttccataatt aatgttttgg gacatgttgg gccagtacca tactgtcagt      120
cttggaact ctcagttata aagtggtaat atagtcaagc attgcaaaaa gggggccact      180
accctaggtg gataatattt aatttggcat gtgatactta ggaagaaaat tggtaaaatc      240
aggattggct cattacctic ataaagaatt ttcaggaagt tttgtttgca      290
```

<210> 904

<211> 372

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (3)..(361)

<223> n=unknown

<400> 904

```
tgngnngtnt gctttctgga aacatattgg aacacttntt tttcataagc tgtcctgaca      60
gtggcacaat cccatccatc ttcaggcctt ttaataaggt cattatgaaa tctgaatttc      120
tattaatact ctgggtgcatn catttcatct gcaaaagcaa ctggcacaac cactccttgc      180
cgggtgcagct ctcgagagaac atctaataatt gngtctagtt ctgtgcggaa ctnttccagc      240
tcacgnttct tnnacngtgc canncntttc catttnncnn cnnctttgtc cngcncagng      300
tcnacnannn ggtgtntntg ctgnactanc ngngaant cctgttcctt ttgtgcatgt      360
ntcattttcca at                                     372
```

<210> 905

<211> 175

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (78)..(146)

<223> n=unknown

<400> 905

```
gtggagttta ttggaccatt tttgacctct agtaatggtg ggctcacatg tttgagttga      60
gttgggtcag gtgctgantn cctgctgctg caggcaccca accttggtgt ttcagggttaa      120
ctctaaccac acatctcatg ccttcnctgt ggcattgtatt tgaagttaac tgaaa          175
```

<210> 906

<211> 128

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(96)

<223> n=unknown

<400> 906

tcantcanga gancnacaac tacntgchnaa ccatagtctt caatccgcta agatgagcaa 60

ttctttctgt cnacactgnc taaccccaac tgacancaga gaaaaaccac gaggcctgtg 120

gctgcccc 128

<210> 907

<211> 429

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (183)..(221)

<223> n=unknown

<220>

<221> misc\_feature

<222> (357)..(425)

<223> n=unknown

<400> 907

gaatcagtca gtttcatgca acagaagccc ttttcaatgg cacctttata tttttatcat 60

tcctttttct tcatttatct aaccccaaag ccctgatatg ccacagaaat ggagctatac 120

agccatgaag cgggtgttaca ggtgaggagt gtaatcctag gaagcatcag gtgaaaagca 180

ggngaccaa ganntgggtca ggaacaatca tcagccctcc nctggggcggg aatcagagca 240

gtcagtccag caggaagagt ggcagacttt gtagctccat gggcacgtca attactaatg 300



ctaagatgtg ttggactctg aaaaacaaaa ttctgtggct acactgtact gaatganatt	360
aaagaaactt tttttgcgng gncacacata gctgaatact taaattattt ctngggggct	420
gcaancttg	429

<210> 908

<211> 470

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (118) .. (136)

<223> n=unknown

<220>

<221> misc\_feature

<222> (413) .. (429)

<223> n=unknown

<400> 908

gaacattcaa acatcttaaa attaaacttt agcaacaaag tttaacattc aaacaggagt	60
atagtttaca agaaacaccc agaaaggtaa tttgttgtct aatccagaat attgatanag	120
atcacttaat ggtgantaaa atatgtttaa ccagtgggtc tattctggcc aacatgtag	180
ttatgaccgt ggttccatac ctgagaagaa attactacat aaatcttctc ttaggctaaa	240
caacaagact cggctctataa ttcagagggg ataatcaaag cacgtaagtg aacaaataaa	300
actaatctga tcttttagaga caaaggtaaa agtattgtcc attataataa ttgtagcctc	360
tggaagataa gaattcaatt ttcagtgttt tctcttttac ccgcttttaa aanaaaanat	420
caanacaana caaaccccaa ctcgggtttc ttggagtctg tggctcgcag	470

<210> 909

<211> 430

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (54)..(57)

<223> n=unknown

<220>

<221> misc\_feature

<222> (354)..(354)

<223> n=unknown

<400> 909

tgacacttac tattaccgtc gacggcaccg acatgagagg acacagactc agannngnga	60
ggaagaagag aaacctcaga ctacatatc tgcatttatt cagctacttc cagttcttgt	120
gattgtgatt atatctgtca ttactcagct gctggctact aatcccccat atagtctgtt	180
ctataaatcg accttgggct acaccatttc tagagaaact cagaacctgc aggtgcctta	240
ctttgtggat aaaaactttg acaaggccta cagaggagct tctctgcatg acttggagaa	300
aacaatagag aaggattaca ttgattatat ccagactagt tgttggaagg aganacaaca	360
aaagtcagag ctgacaaatt tggcaggatt atacagagat gaacgattga aacagaaagc	420
agagtcgctg	430

<210> 910

<211> 508

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (481)..(481)

<223> n=unknown

<400> 910  
 ggaacataaa taggaacaag tagcaaaaacc ccagccctgc gtaggaccat tatectctca 60  
 gccacctctg cgtaggccaa tgagtttgga aagttttctca cagttttcaa gtttcagcga 120  
 ctctgctttc tgtttcaatc gttcatctct gtataatcct gccaaatttg tcagctctga 180  
 cttttgttgt ttctccttcc aacaactagt ctggatataa tcaatgtaat ccttctctat 240  
 tgttttctcc aagtcatgca gagaagctcc tctgtaggcc ttgtcaaagt ttttatccac 300  
 aaagtaaggc acctgcaggt tctgagtttc tctagaaatg gtgtagccca aggtcgattt 360  
 atagaacaga ctatatgggg gattagtagc cagcagctga gtaatgacag atataatcac 420  
 aatcacaaga actggaagta gctgaataaa tgcagaatat gtagtctgag gttctcttct 480  
 ncctcctcct tctgagtctg tggcctct 508

<210> 911

<211> 438

<212> DNA

<213> homo sapiens

<400> 911  
 ggactctaga tcttgtttat atagttagt ctttaaaaaa ctgaggtctt ggttctgaat 60  
 aatagtgggt tacataatct atttagaatg tcatttgagg ttatctctga cctattttta 120  
 taaaataatc tcatctttta aataggagta aaatgctcat ttgcataagc cagtaataat 180  
 aatttagtat ttttccaagt atttatagtc aatgtgtttg ccatgaactt ttttaaggga 240  
 ttgtttttta ttttagaagt gcttttaaaa gcaatattgg catctggctc tgtagaagta 300  
 gaaaacatgg taacttcaat gtgatataat tgcttttttc ccctcttagg tctttggggg 360  
 aaaaaaaatc ccaaagtita cccaattttt aattctacca tatattacct acaaatttat 420  
 agaggtgaga cctgcttg 438

<210> 912

<211> 374

<212> DNA

<213> homo sapiens

<400> 912

ggactaaaac ttctacccat gtttacaggt atttcctcac caggctcaag tgaggaacca	60
tgcgagaacc ctttggaac tatgaaacac tgtacagacg ggaggtatta gtatcactga	120
caggtatgaa caggcagcaa gcaggtctca cctctataat ttgtaggtaa tatatgtaga	180
aataaaattg agtaaacttt ggattttttt taccctaaag acctaagagg ggaaaaaagc	240
aaatatatca cattgaagtt accatgtttt ctacttctac agagccagat gccaatattg	300
ctttttaaag cacttctaaa attaaaaaca atcccttaaa aaagttcatg gcaaacacat	360
tgactataaa tact	374

<210> 913

<211> 490

<212> DNA

<213> homo sapiens

<400> 913

catagacatt agaatcaagt ctcttgcat tatttctagt tggatatct tttatgctaa	60
aaatattcaa tattcagttg ctggtcacaa ataatttctc cccacaata ggtattgtct	120
tctaagaact ctgaagcaat gtcagacatt gaggaagct ctcattgctg caggaaaaga	180
gattatatgg catgggcgga caaaagaaga accagctcat tactgtagca tttgtgaagt	240
ggaggttttt gatctgcttt ttgtcactaa tgagagtaat tcacgaaaga cctacatagt	300
acattgccaa gattgtgcac gaaaaacaag cggaaacttg gaaaactttg tgggtgctaga	360
acagtacaaa atggaggacc tgatgcaagt ctatgaccaa tttacattag ctccctccatt	420
accatccgcc tcatcttgat attgttccat ggacattaaa atggagacct tttctggcta	480
attccaggga	490

<210> 914

<211> 76

<212> DNA

<213> homo sapiens

<400> 914

tactccatgt atttaccct cctctctcc cactgaacct ctggcaacca gtctttacta	60
actttgcttt ctccag	76

<210> 915  
 <211> 423  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (253)..(344)  
 <223> n=unknown

<400> 915  
 gccagggcc cctcctgcac cacggggccac atgcggagga cggcgtggga taggctccct 60  
 ggggtccacag cttctgcccg tgtatgggga accctccttg gtcagggctg caggctcttg 120  
 gcagatgggg caggaaccct gaggctcccg cggcctccca tggcctctga tgtgggacac 180  
 tggagcgagg cacgattctg aaggactcca tggatctggg aggatgaggc ccacctccgg 240  
 ttggtggcca aancgctcct tncggggccg gctgcttcac ggacactctc cgggtcgggc 300  
 tgggtggccc catcgtgggt gggaagtcgc ctgagctggg ccgnccttga acttctccca 360  
 gtcttgactt tccagagggt ccgtggctgt ggtcatggtc ggggcaagtg gaaaattctg 420  
 cat 423

<210> 916  
 <211> 359  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (73)..(73)  
 <223> n=unknown

<400> 916  
 cacctccaga gccaaagtga ggagctgaag tcactctggc aaggagagaag gagccccgga 60

aagtgtgacc agnagaaacc ggcacccagc tttgcatgtc tgaaggagct gtatgacctc	120
cgccaacact tcgtgtatga tcatgtgttc gctgagaaga tcacttcctt gcaaggtcag	180
ccaagccctg atgaagagga aaatgagcac ttgaaaaaaaa cagtgacaat gttgcaggcc	240
cagctgagcc tggagcggca gaagcgggtg actatggagg aggaatatgg gctcgtgtta	300
aaggagaaca gtgaactgga gcagcagctg gggggccaca ggtgcctacc gagcacggg	359

<210> 917

<211> 520

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (106)..(106)

<223> n=unknown

<220>

<221> misc\_feature

<222> (289)..(291)

<223> n=unknown

<220>

<221> misc\_feature

<222> (395)..(431)

<223> n=unknown

<400> 917

tgttttaagt gcctctgctt ctagtttaaa tgaatgaccc agacagagct ttcaagctgt	60
ttcttagaga atgtgtggtt gagcagaaat ggctatccac acctgncaca ggtccccacc	120
cacctcacac cctggaggca gcagcataag cccagtttc cactatggtg tctcctcaat	180
gaccagaata cccgccagtt ccaggggtca gcaattccat tctctctctc cggctcagtt	240
cagaagctgt gatggtcctg ttagagagca ctgcctgcag gtcaaaacnt ngaagaggct	300

ctcccaggcc aggcgacaac ccttcagggtg cagacgggga acaaaaggct taacctgtga	360
taatcccaac acctttctgaa aaaagagtaa cagtnatnca gcaacggggc atgggtangg	420
gcgggcggtg naggggacac tgtcccctgc ctcagatgtc ctgtccagag ggtgggcaca	480
gatataggct cgctttctcaa gggatctgct tggacacttt	520

<210> 918

<211> 182

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (117)..(176)

<223> n=unknown

<400> 918	
gcgggggcccgt cttggggcctt ggttctatgt ccctgcgggt cggcgcgagg gcgaagagga	60
acccgtgggc ctcgggggat cccggggggc cggaccagtg tcccctagtt gtgggancag	120
acgcgtgggc gcatcgcggg cnggcanggc ctnaantnca gaantttata cgnganctaa	180
tt	182

<210> 919

<211> 242

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (212)..(226)

<223> n=unknown

<400> 919

agacactggg aagaatgtct acagcagata gaaatgtggt gtcacttact tccatcctga	60
cttacaaaagg ggtggcttag agcccttgga gtactaaggg gctggaaatt gctgaactac	120
atagatgtgt ggcacagggc aggtgtctcc tcacctctgc ctcttttcac agttcactga	180
tgtccttccc atgtccaggt gggctgggtc angggcatga ttagcnggca aatcagtcac	240
gg	242

<210> 920

<211> 362

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (304)..(304)

<223> n=unknown

<400> 920	
tcggattagt cagatgctgt gagaggaggt ggaaaaaacc agtgtagaat gggcaggcac	60
ctttgaaaag gctagaggaa aattttggaa gggcattaag gaggagcata gcaaagaagt	120
ctagacctat gacttggagc tgttctgtta tataaatagg atatccagag atagcaaact	180
gctcactgca ggaaataggg gaaatagagg taatttggaa gaacacccca ctgttatatt	240
gtggcagtta tgttctataa agtcgctgtg gacgtaatta gtgatactga gccattgctc	300
ctanggggaac aatacagagt tagattcctg tgagcctctg gttataacga ttttgtcagc	360
tg	362

<210> 921

<211> 330

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature



<222> (65)..(67)

<223> n=unknown

<220>

<221> misc\_feature

<222> (278)..(315)

<223> n=unknown

<400> 921  
ccttttctcg ttttaacatt ttattttcttt gtccattttc taagcagtta aaatgaaaat 60  
gtttncntat gattgttggtg gaaaacaagg gactgagaat gtgaaggacc atttggttct 120  
cagctgatgt tctcaaagtt aaactttcat agtacctcac gaggaggctc tacatatggt 180  
cccagagata tgcttacaat attttaagaa gacattttatc tcacaacttt aagcttggtt 240  
cacactttct gatcacacct cccctgggtgt actatganca aatattctta tgtaaatecn 300  
ataatttccc catanataac aaaattaaaa 330

<210> 922

<211> 517

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (278)..(416)

<223> n=unknown

<400> 922  
tctgactgct atgggttatcc aagaaggcac cccagaatac ctggttgcca ccgctggttg 60  
gtatatgcaa aaatgtgtag tttttaaaag agtctttttg ggcttgccact gaggagccac 120  
cctattttat acagtcaaaa tattgctata tttaagttaa ccattctggt ccagtgcagg 180  
attcagtaac atctattctg taagtttcag ttgtgatatt tcttaaagat tcaaagatgg 240  
atcctgggaa ttgatttag cctccatttc atctgggnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn	taataattaa	accctcctat	tcacacatat	ttcattaatc	cttacagcaa	360
cctgagagat	agtttannnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnagag	420
gttcagtgat	tcgccaagg	ttataacagc	aagaatggg	gtgaaacaag	aattcaaadc	480
cagattgggc	ttaatagtga	gctctcatgt	gtggata			517

<210> 923

<211> 518

<212> DNA

<213> homo sapiens

<400>	923	
atacaattct	tactgatga	tactggata
aaatgggtgt	tattaattca	tgctagcaca
		60
acaaaaacta	atttaacatt	attggtaaaa
atgagtcatt	tttgaatctc	tattaaaadc
		120
tgaacacata	aacaaatctg	tgctaaaact
ggaactgcct	tctcactcta	catataatta
		180
aacttccagc	ttcaaccatc	tgatgttgaa
atctaaagca	cctccatgag	ttaaatgtcc
		240
ccgacaaacc	atgtagatgg	acaacaaga
ttgggtgtct	ttaattgctg	gcgacagaaa
		300
aggctgcagt	ttagtactta	aacctgcagt
tagtgggtcaa	ctttctatcc	aggcagagta
		360
aactaaggag	agctatgaaa	tatcaaaaaga
aaactagagg	ccaggacaaa	gaggcaatgt
		420
cagccaagcc	actgcaagat	ggatgcacc
cctgtatttc	agccaagggg	caggcaatcc
		480
aaattacaca	ctgctttcct	taacttgacc
aaacagtg		
		518

<210> 924

<211> 344

<212> DNA

<213> homo sapiens

<400>	924	
ccgctctgca	aacctactgcg	tgctttgcag
agtgattatc	agcacagttc	cctgccctgg
		60
ataaggaaca	gctacagtcg	ctgttaaagt
tgcttgaaaa	gcaatttgca	atctttgcat
		120
taggcatttc	ggccgtggaa	ccccaggctc
ggaggactgg	gtgtgagcgc	tgccccgggag
		180
aggctgacct	gccgggaccg	gagtccccgg
ggacgctgtg	ccccacttg	cccaacgtgc
		240
ggaatcggct	aagcgcgtcg	gcctgcgcgg
ggcacaaggg	acgacgcccg	cctttctctc
		300
tccgagaagg	atccccaaac	ctcactctct
tcactcctcc	ccgc	
		344

<210> 925

<211> 471

<212> DNA

<213> homo sapiens

<400> 925

```
agtttgtaag tattccactc tctactctca gattgagagc caaaacttta ccttccatca      60
ggaggtcacc ctatctacag gcaagacagt gagctgtacc aaaggcactg gccaaagtag      120
ggcccaggtc attatTTTTct tttgagagag ctctctagcc ctgattccca gttgtgcctc      180
cttaataagt acaacaccac cccaccacc ccaccatgcc atccatggag gttttgtgca      240
tatatatcac agacttggat tccattccct aagatatctt taggactaag gtaggtatat      300
atatatatTTT tcttctaagt gattccttcc caccgtttta atgcacatag taagtgggga      360
gtgtgcaggc tgttggtttg gagaaacca ggcaaaagca cagtgactgt ggccctgtcca      420
gattaaatct gttaagcagt aggttttgct aaatatggag gaacagtaaa a              471
```

<210> 926

<211> 554

<212> DNA

<213> homo sapiens

<400> 926

```
aaagttggga ataactgtgg taacaggaaa tattacacta caactgttct ctagaaatct      60
ccaccatccc catccttctt cagcaaatga aggtgggtgc tttggatcct ttctctgttc      120
ttagaaaagg gaatggatgc ttcgtataga gagctatgat tcagacgccc atcagagtgc      180
caagctccat gctgacaggc acatttggct acattcaaca accctatatg agatacataa      240
acggcacatg ccattttctt ctcctttgaa acgagtctcc aacgcaaagg ctttcacttt      300
tcattctcta ttttaacttt aaataccaat gaaccccttg gtgaaacctc tcctctacaa      360
acattcactc agacagtgat cagccaacc gcaccacatc taaaaattac aaaggagAAC      420
tttgtaccag ctaaggacaa agaagcttta ctttttactg tttctccata tttagcaaaa      480
cctactgctt aacagattta atctggacag gccacaggtc actgtggctt ttgcctggtt      540
tctccaaacc aaca                                         554
```

<210> 927

<211> 437

<212> DNA

<213> homo sapiens

<400> 927

```
atcattttgt atgcattgag aaagacattt attatggttt ttaagatact tggacatctg      60
catcttcagc ttacaagatc tacaatgcag ctgaaaagca accaaattat tttttgctga      120
aactagatgt ttttacatga gaaatactgt atgtgtgtgc taagatgtca gttttataaa      180
tctgtattca gatttcattc tttgttagct cactttataa tttgtatttt tttactgtat      240
agactaaata tattctattt acatgtatgt caactcatta cttttttcct gtgaacagta      300
ttgaaaaacc ccaacggctg ataattaagt gaattaactg tgtctccctt gtcttaggat      360
attctgtaga ttgattgcag atttcttaaa tctgaaatga tctttacact gtaatctcag      420
catactgatt atgggag                                     437
```

<210> 928

<211> 442

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (287)..(435)

<223> n=unknown

<400> 928

```
gatctgtaaa aggtgtcaat ataattattgc ctatacagga aaaaattcaa atgtgaatag      60
caacaaataa aagttacaca tcttcctact tagcagtgc attaattcac attgcaataa      120
agttaagtca agtataacaa aatcaaaaca agtgtttctc cataatcagt atgctgagaa      180
ttacagtgta aagatcattt cagatttaag aaatctgcaa tcaatctaca gaatatccta      240
agacaaggga gacacagtta attcacttaa ttatcagccg ttggggnttt tcaatactgt      300
tcacaggnaa aaagtaatga gttgacatac atgtaaatag aatatattta gncatacag      360
```

tnaaaaaata ccaattatna agtgngctaa ccaagnatgg aatctggnta cagatttatt 420  
aaactgcctc ttagnccacc ca 442

<210> 929

<211> 239

<212> DNA

<213> homo sapiens

<400> 929  
agttgggcat tgtttttcta acctaacctt tccctctggg gtagagaagc cgagagaccc 60  
tgtctccct tatgcactgt ggcccagtcc ccttgccttt ttctgttct gtttggagtg 120  
gagaagggca gcacctctgt gtttaaatgga aatagcccat agtctcttgg atttttggaa 180  
catctttctc agcctatatt gtgtcctaata gattcgctca ataaacatgt ttgaatcca 239

<210> 930

<211> 210

<212> DNA

<213> homo sapiens

<400> 930  
acacaaaata ggctgagaaa gatgttccaa aaatccagga gactatgggc tatttccatt 60  
aaacacagag gtgctgcctt tctccactcc aaacagaaca ggaaaaaggc aaggggactg 120  
ggccacagtg cataagggag gacaggggtct ctcggttct ctaccccaga gggaaagggt 180  
aggttagaaa aacaatgccc aactctcgag 210

<210> 931

<211> 449

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7) .. (7)

<223> n=unknown

<220>

<221> misc\_feature

<222> (375) .. (442)

<223> n=unknown

<400> 931

```
ggcgcantaa cagacggcgg cagtgcgaga aagccgaaga tggcgggtccc cgcggcgctg      60
atcctacggg agagccccag catgaagaaa gcagtgtcac tgataaatgc aatagatata      120
ggaagatttc cacgggttgct cactcggatt cttcaaaaac ttcacctgaa ggctgagagc      180
agtttcagtg aagaagagga agaaaaactt caagcggcat tttctctaga gaaacaagat      240
cttcacctag ttcttgaaac aatatcattt attttagaac aggcagtgtg tcacaatgtg      300
aagccagcag ctttgcagca gcaattagag aacattcatc ttagacaaga caaagctgaa      360
gcatttgtca atacntggnc ttctangggg ccananacag ttgnaaagtt ccggcagaga      420
attctggctc ccctgtaagc nngagactg                                         449
```

<210> 932

<211> 411

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (217) .. (391)

<223> n=unknown

<400> 932

```
ttattgcagg aatattttcaa gtgccatcaa atatttatag aagggttaaa aaaatagaag      60
tctctctaaa gtggtccaga caaggctttg tatagaataa atcttttttt ccccatcttc      120
tagttttgat ttaagtattt tgaatacatt ttcttttcca ttgacactta gtagcctaga      180
```

agcgggtccga cgcacacaca tcatacacat gcaaattnnnn nnnnnnnnnnn nnnnnnnnnnn	240
nnnnnnnnnn nnncttcttc acctgacct cagcccaccc ccatacgctc acagatanct	300
gggtatccac actataaggn accaccaaac ttagaagcag tgtcttaagn catgggttttc	360
ttnagttaga aagggtgaat taggatggcn naagacttta aaaaactcga g	411

<210> 933

<211> 452

<212> DNA

<213> homo sapiens

<400> 933

cttttactta taaggcaatt tggtagacac aacatataac aatgtgtaca taaaaataaa	60
cacatctaga catgtatata cacacataaa cgaagattca atagcttgga accttagcca	120
tgagatagca atacaagctt gccagttttt gcccacacag ataattcaat gaaggctgtg	180
aacaaaaatt ttggctaaag cagtctccat ggcagtttga tttttaaggg ccaaacctcc	240
cacgacttca aagcaggggtg tcacatgtta accaggcccc ctgcttagag ctgcagcaca	300
aaagcctgga tacatgcaac tctattccac tttccaattc aacagtaaac ttcagattcc	360
aaacaatgtt ggggccaac agcattgcaa ctgcggagag aaaattctaa ggagggctag	420
acctcagaac ctctgccaaag agcatcctct tt	452

<210> 934

<211> 553

<212> DNA

<213> homo sapiens

<400> 934

aggacagccc cacagtactt cagaatatca agtatgtagt aagtcttggt agctgtgaca	60
gtgacaaggc aacagctaaa aaaaaaaca aagcagtga acaaacatga tttccttaaa	120
attataaaac aatactgata ctaaagtttc attaatatt gcaacagtaa agaatttaat	180
ttaccaatat ttcattgttag gaaggctctt tatgaaattt attcaagttg tcaagaaatt	240
ggatgaaaat ataaaaaagg aaatacatgt gaattttact tttgattttc actcaaaaata	300
tccatacaat tttatacagt gtcgcctaac ataacaatct ctaataaact caagtataca	360
gaaatgataa aaatgcagga aattttttac actttcaaact gaaaggatag caattttatga	420

cacgaagttc gtgtaacaga tgcggaaatg aataaagaaa tcaacatcag tgagacagtc 480  
 tcctctact ggaggggcac gttcttatag ttcgtaacta ggtctgagtt ccaaggtaac 540  
 agttgcatac gag 553

<210> 935

<211> 471

<212> DNA

<213> homo sapiens

<400> 935

caggcccagc ctttctccac tgccacgtcc ctcatgcaca tcaactcatct cctgctgcag 60  
 gccaaggcca aaattgggct agtcctggcc agggaaatca gaagctcttc ttgggtgaga 120  
 ttgagcctcc tgttgctccc tggagttccg gaggtgggc tgcagcccac tcagcttgcg 180  
 ggcaaaatac gtgctctcct ctctccttgt cagctgagca aaccaggga atagccctcc 240  
 tctcccagg aaacttctct gaaatcttag acttagccag tcttaggcct acgatgccac 300  
 acaaaggttg ttcagggaga agggggtgca ggaggcagag ggtgccccgc aggagctggt 360  
 ggctccagcc ccactagagc tcctaaagat cacacagcag ctgctcctga cagggatgct 420  
 catgcccaga aagcaagccc aggagaggaa ggcagagtgt gacagagcag a 471

<210> 936

<211> 268

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (39)..(264)

<223> n=unknown

<400> 936

aggtgctggg catatgtctc ccatttcac ctcagaaanc agctatgaca agaaaggccc 60  
 cgcctttcct gntaattttc acgatgtgac cactgcctg ngaacttccc acccacatga 120



ctgatttggg ctccangatg tanaanggca tctatatggg cagttctnga cttctgcctn	180
ccgtggcact tctctggagc cccananang nctctncngn tgcgcntnnc cntggenctg	240
ctctgnnana ctctnccttc cncncctg	268

<210> 937

<211> 514

<212> DNA

<213> homo sapiens

<400> 937

gccgggagta cagacgacgt caccgtatat cttcttttcg gccagtggag gatatcacccg	60
aagaggactt agaaaatggt gccataactg ttcgagataa aatctatgat aaagttctgg	120
gtaacacgtg ccatcagtgt cgacaaaaga ccatcgacac caagacagtg tgtcggaacc	180
agggttgctg tgggtgtgca ggacagttct gtggaccatg cctgcggaac cgctatgggg	240
aggatgtcag atcggcattg ctggaccccg attgggtgtg tccccctgt cgtgggatct	300
gcaattgcag ctactgtcgg aagcgtgacg gccgctgtgc cacaggaatc ctcattcatc	360
tggccaagtt ttatggttat gacaatgtta aggaatatct ggagaggtaa gtaagtctct	420
agcagcttac aaaacagctt gaaatcttga ggctgagcac aggagaccct ctgggcaagt	480
agtgttgctt cccgtgtgac ttacttactt atat	514

<210> 938

<211> 121

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (42)..(100)

<223> n=unknown

<400> 938

gtccgagagc gaggagcggg aaagaggatg ggtctgcacg gngagtggaa aggcaggctg	60
tgtactctgg ggaaagtgga gcaaggaagg agctacagnn gccgacgctg gaggtcggct	120

<210> 939  
 <211> 379  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (9) .. (9)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (182) .. (182)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (365) .. (365)  
 <223> n=unknown

<400> 939  
 gtgattgtnc tgggcctgca gagcaaggac caggctgagc agtggctcag ggtcatccag 60  
 gaagtgagcg gcctgccttc cgaagagcat ctgaaggaaa ccagtacacc ccggatgccc 120  
 agcgctttaa ctgccagaaa ccagatatag ctgagaagta cctgtcggct tcagagtatg 180  
 gnagctccgt ggatggccac cctgaggtcc cagaaaccaa agacgtcaag aagaaatggt 240  
 ctgctggcct caaactgagc aacctaata gaatctgggcag gaagaaatcc actcactgga 300  
 gctgtggaga ggtcctcgag acatccagtt actgaacgtg ctggtgaaca agccagtgga 360  
 agtcntcgct ggtgctctg 379

<210> 940  
 <211> 368  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (39)..(39)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (194)..(329)  
 <223> n=unknown

<400> 940  
 ttgcttttat ttaagctagg ctagcctcca agctggaant gaattgacag ttgaaaaata 60  
 atgacatgta tacaaggtat gtttgaagga ttgcagatgc aggggcacca tatgctaaag 120  
 gagtgttggga agctcactgc agaagatgac aaaagcagac tgatatgtat tatttgctga 180  
 aatataagct ggangcacag gtgaagattg ccaaacctaa tgaacagttt ggcaaataag 240  
 acaggctgtc aggccatggc agttcagcag tnggcgtgct gcctgtgaac caagtcattt 300  
 gttccagagg actacactta aataccacna ataaaatctt ccttgctcact gatatcacag 360  
 ttgaatag 368

<210> 941  
 <211> 423  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature

<222> (266) .. (266)

<223> n=unknown

<220>

<221> misc\_feature

<222> (412) .. (412)

<223> n=unknown

<400> 941

```
ggaaaagaag ctgatcggt gtctgtgtg catcgaacac aagaagtaca gccgcaatgc 60
tctctcttc aacctgggt tegtgtgtga tgcccaggcc aagacctgag ccctcgagcc 120
cattgttaaa aagctggctg gctatctgac cacactagag ctagagagca gcttcgtgtc 180
catggaggag agcaagcaga agttggtgcc catcatgacc atcttgctgg aggagctaaa 240
tgcctcaggc cggtgcactc tgcccnttga tgagtccaac accatccact tgaaggatgat 300
tgagcagcgg ccagaccctc cgggtggcca ggagtatgat gtacctgtct ttaccaaaga 360
caaggaggat ttcttcaact cacagtggga ctactacac aacaaatcct gncctacatt 420
gat 423
```

<210> 942

<211> 542

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (471) .. (507)

<223> n=unknown

<400> 942

```
tcaacctcta gacagtatga caagcctcct agtaggaggg actaccacaca gcaatgtgtc 60
catccagtca ctaccagcct cacttccagc agatgatgat gttgggggtca ttttcaagcc 120
gctcatccag ctcatggtag ctcatgcctg tcttgcagca gatctcgtca tagctgtggc 180
```

agcctgtata aagccgggca ggggtggctct gctcttcccg agtcacccgc acaggatact	240
tctgtagtcg cctgatgagg ttcttcataa gcccgaaactg gatcagcttc cgttcatcaa	300
catgctgcag ctgctggggg tggcggccaa tgaggctctcg cacggtagtc caggggctca	360
ggctgcagta tagctggaac acatcccga gactggccct cttgtgccct tgcttggtca	420
cgtaggatag acatgctctt gcagggactt gtcactacc aggtcctgga ncttgggcgt	480
tgggcagtat acattggagt actggangat ggacaccagt gtcacaacgc cgtagtacag	540
ca	542

<210> 943

<211> 352

<212> DNA

<213> homo sapiens

<400> 943	
gtagcattct aaaatctggg actactagtg agagtggagc cttatccttg gaaccagtc	60
atataggtga cctgcagaaa gcagacacca gtagtcaagg tgctttagtg tttctctcaa	120
aggactacga gatagaaagt caaaatcctc tggcctctcc tacgaacact ttgttaggct	180
ctgccaaaga acagagatac cagagaggcc tagaaaggaa tgatagctgg gggtcttttg	240
acctgagggc tgctattgta tatcacacta aagaaatgga atctatttgg aatttgcaga	300
agcaagatcc caaaaggata atcacttaca atgaagccca tggatagtcc ag	352

<210> 944

<211> 453

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (180) .. (180)

<223> n=unknown

<400> 944	
tggggctccc tgggctgttc tgcttggccg tgctggctgc cagcagcttc tccaaggcac	60

gggaggaaga aattaccctt gtggtctcca ttgcctacaa agtcctggaa gttttcccca 120  
 aaggccgctg ggtgctcata acctgctgtg caccgccagcc accaccgccc atcacctatn 180  
 ccctctgtgg aaccaagaac atcaagggtg ccaagaagggt ggtgaagacc cacgagccgg 240  
 cctccttcaa cctcaacgtc aactcaagt ccagtccaga cctgctcacc tactttctgcc 300  
 gggcgtcctc cacctcaggt gcccatgtgg acagtgccag gctacagatg cactgggagc 360  
 tgtggtccaa gccagtgtct gagctgcggg ccaattcact ctgcaggaca gaggggcagg 420  
 ccaggggtgg agatgatctg ccaggcgtcc ttc 453

<210> 945

<211> 505

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (399)..(497)

<223> n=unknown

<400> 945

aatacgaaca gtgcacgctg atggcctgca gtcctctgcc gtgcttggct ctctggacgg 60  
 ttcattctac atggctgctg ctttgcgctc tctgacctcc ccattcccta tctgaaccc 120  
 cccaaactcc tcttcaactca gacggcgggt gtcctgtag agcggcaagg caaggatggg 180  
 gctctccagg ggacctgcc agtcctccat cttctggtca ccacctggcc cacgtggctc 240  
 agcccagcat cctggagggt atggccgcag tggaggcaag gctgccaacc agcacgatgg 300  
 tgggtgccct gggcaacct cctgggggca ccactgtgaa ggcgctgtgc tggacattgg 360  
 cgttgtttgc agctggcacc agaaccagtc cgatgtctng ctcggcagga aggagaagtt 420  
 ngcagctgcc tgtggcatgg tctctgctgc aagtggaact gccatcctt tccgattaag 480  
 cttnttggtg anaagtnggg ttgcc 505

<210> 946

<211> 513

<212> DNA

<213> homo sapiens

<400> 946

```
gggtctgtga caggggtccaa caggggcttg tccgtgtccg gtcccccaaa tctgtcgtcc 60
ctgccccag gcattggcat caacaaaagt cagaattccc gggaacttga acagaggctg 120
ctaaattccc agtaattgct cctttggcct tctagggact gacttcaaag aaggaaggaa 180
agaatcagtg ctctctcatt ctcttttaaa acccgcttcc cgctgagtct gcacccagga 240
gaccagagag caccttgccc ttccatggaa actcaggctg atctcgtatc tcaggaacct 300
caggccctgc ttgacagtgc tcttccttca aaagttcctg ccttttccga caaggacagc 360
ctgggggatg agatgttggc ggctgcgctc ctaaaggcca agtcccagga gctggtaacc 420
tttgaggatg tagctgtgta cttcatccgg aaggagtggg agcgtttgga acctgctcag 480
aggggacctc tatagagatg tgatgctgga gaa 513
```

<210> 947

<211> 513

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (31)..(31)

<223> n=unknown

<400> 947

```
gcggacgtgg cgggcccctc ccgccccagt nccgcggcgt tctggagccg ggacttttct 60
gatgaagaac aatcagtagt atacgttcca ggaatttctg ctgaaggaaa tgtcagatca 120
agacacaagc tgatgagtcc aaaagctgat gttaaactta agacttccag ggtgactgat 180
gcttcaatct ccatggagtc cttaaaaggc acaggagatt cagtagatga acagaattcc 240
tgcaggggag aaataaagag tgcatcattg aaggatttat gtcttgaaga caaaagacgc 300
attgcaaact taattaaaga actggcccag agtaagttag gaaaaggaag tgacagagga 360
aagactgaaa gctgagcagg agtcatttga gaagaagatc aggcagttgg aagaaccaga 420
```

atgaactgat catccaagaa agggagcttc ctttgtgcct gataaggcca ttccagctgt 480  
tctgctgctg ctgttaagct gctaagcaca tac 513

<210> 948

<211> 542

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (473)..(473)

<223> n=unknown

<400> 948  
ttcctaggac tgtcaaagct ttaactagaa agaataccaa atacaaggag gttccagctc 60  
aattacagca gtgcaacaga atttaataaa gttccaacac tacacttcaa tgcccaaatt 120  
tcttcttgtc ctttttagtt gacaagtatg tgcttagcag cctaacagca gcagcagaac 180  
agctggatgg ccttatcagg caciaaggaa gcttcccttt ctttgatgat cagttcattc 240  
tggtcttcca actgcctgat cttcttctca aatgactcct gctcagcttt cagtctttcc 300  
tctgtcactt ctttttctc acttactctg gccagttctt taattaagtt tgcaatgcgt 360  
cttttgtctt caagacataa atccttcaat gatgcactct ttatttctcc cctgcaggaa 420  
ttctgttcat ctactgaatc tcttgtgcct ttaaggact ccatggagat tgnagcatca 480  
gtcaacctgg aagtcttaag gttaacatca gcttttggac tcatcagctt gtggcctgat 540  
ct 542

<210> 949

<211> 328

<212> DNA

<213> homo sapiens

<400> 949  
ttttaatatt attgtacatg aaacaaagtt tgtgtacatt gtaccataag aaagtaaagg 60  
tgttattttc tcagccacca atgtggacaa tctgtggttg catggcatca ccatcattcc 120



tgactctgaa tttatatgtt accaataagc aatcattttc ttacacttat tcacacataa	180
actgtgtgtt gtgtccctgc cttttgactg caactatcaa gtagaatttt ccacttgtgg	240
tttatgtctg tgctgaaaat gtcttggatt ttggagcatt ttggatttca gatttttgaa	300
ttaaggatgc ttaacctttg tgtatgat	328

<210> 950

<211> 508

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (453)..(453)

<223> n=unknown

<400> 950

actaggatgc ttaaagggaac agtgtctcag acaccttatt tcataaatc aatgcaccat	60
ctgaaataca ttccatctag agtagccaaa ggctgtgtcc cttgtgtgat ctaagagctc	120
tagctcaaat ttgatcaaat aaaaaatgac agctgctcag cttggcccaa atatgcacta	180
tttcatcata tattcagata tctcaatttt acagattggc ttacttagca ctatagacat	240
caactagagt aagggtttaag ggaccaagtg aatcctaaac ctaagcatac aaatgagcag	300
caaatggcat aattgcacat atattagtta ggcttctttt caagaaacta attttgaatt	360
tatttatgtt ttatcagcaa ggattaagtc aagcatgctg acaccattat gaattaacct	420
catctaacct tcaaaatgtg tggattccat ttnaaacctg tagtctatca actatctcca	480
ccaattcaac agattatagg ctggtgga	508

<210> 951

<211> 424

<212> DNA

<213> homo sapiens

<400> 951

tgaaagcctt gcacactcac ctccaccttc acaggccatt tgcacacgct cctgcaccct	60
ctccccgtcc ataccgctcc gctcagctga ctctcatgtt ctctcgtctc acatttgcac	120
tctctccttc ccacattctg tgctcagctc actcagtggg cagcgtttcc tgcacacttt	180
acctctcatg tgcgtttccc ggctgatgt tgtgggtggg tgcggcgtgc tcactctctc	240
cctcatgaac acccaccac ctcgtttccg cagcccctgc gtgctgtcca gaggtgggtg	300
ggaggtgagc tgggggctcc ttggggccct catcgggtcaa tggctcgtc ccaatccaca	360
ccatttgttt ctctgtcttc cccatcctaa ctccaaagga tgccggcatc aaccctgaag	420
ggct	424

<210> 952

<211> 504

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (128)..(177)

<223> n=unknown

<220>

<221> misc\_feature

<222> (304)..(304)

<223> n=unknown

<400> 952

gtaattcaag atgatcacca caagaagaag aaagagataa tacaaaaata tatatcacag	60
cctaggagcc aggaagaag ggaaggagga aggtggaaaa accagtgaga aggagggag	120
aacctgangn gggggaaagg gcagggaagc aaaaggnagg agagtggag nnaggnngga	180
ggaaaggagg ggacaggagg gagtccggga aggaagggt agacttgag gcagagctcc	240
cgatggcctt gaaccagctg actccgggtc ctggcagcct aggtggagtt agggaggccc	300
aaanggagc tgggaaggga ggactggctc agggggctct gaagtccaga gaatggcaca	360
cacacagaca gccaggacag acaagacaaa agggactgta ggagaaagg aagggcaaat	420

gggagtcacct ttctcatgta gtgcagcagg cgactcccca aaacccatct gtcagaaaaac 480  
agatttttagc agtgggcttg ggggt 504

<210> 953

<211> 482

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (15)..(479)

<223> n=unknown

<400> 953

cagcggcggg cgatnggacc caggcngccc cgccgtaccc gcctgcntcc cgcgctccccg 60  
ccccagcatg acagccccgg cgggtccgcg cngctcanag accgagcggc ttctgacccc 120  
caaccccggg tatggnaacc angcggggca ttcaccggcc cctccgacac ccccaganna 180  
ggaagacctt cgccgtngtc tcaaatannt nttcatgagt ccctgcgaca agtttcgagc 240  
caagggccgn aagccctgcn agctgatgct gcaagtggtn aagntcctgg tggtcacggn 300  
gcagctcatc ctgnttgggc tcagtaatca gctggctgtn acattccggg aagagnacc 360  
atcgcttcc gacacctctt cctgctgggc tactcggacg gagcggatga cncnttcgca 420  
gcctacacgc gggagcagct gtaccaggcc atcttccatg ctgtggacca gtanctggng 480  
tt 482

<210> 954

<211> 385

<212> DNA

<213> homo sapiens

<400> 954

taactcagta cactaagagt gatttacatg cctgcaaata atttgtgtct ggggtcttga 60  
ccctcccaa atgccttggt atttatatct ctgcttttag ataacagatg gtcattgtgc 120

tatgggcttg taccggcaga ggcaacagca ggtccttaag actccccagg tgccatgatg	180
aaaagaacct tagaaaatat tgaaataatc tcaaaactta aaaaaaaaaa taccagaaat	240
aaaagctagt aaaggtgaga ggtgtggggc ttttgaaca tagagcataa taaatcagaa	300
taaaaagtaa aaataagaaa gagaaaaaag tggccctgat taaattataa aattaagcat	360
atcttgaat tctaacgagc caaac	385

<210> 955

<211> 227

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (9) .. (224)

<223> n=unknown

<400> 955	
gaagaaagnt aactcaggac actaagagt atntacatgc ctgnaaagaa tttgtgtcng	60
gggtcttnan ccnccccaaa tgccttgnta nntatatctc tgcttnnnga taacngntgg	120
gcatngtct atgggcttgt ancggcagag gcnacagcag gtccttaagn ctccccaggn	180
gccatgatga aaagaacctt agaaaatatt ggaataanct caanact	227

<210> 956

<211> 508

<212> DNA

<213> homo sapiens

<400> 956	
gggaggacag ctgaatcata gggttaaagt atcatcatct ttctcatact catcactggg	60
agaacaaggt ttctgtcat ccttccaatt agctgtttaa ctcatctgca taagaatcat	120
ttctgaaact tgacctattg ccatcaaatt tgtgtagatt gaaatccatt tttccagctt	180
ctggctttca gggcctgagt tttatttgcc aagttagctc ctgcatttag tgaagagggt	240
atTTTTcttt aaagtcacca gaggcataaa aaagccatag cgattcttgc agggagggtg	300

ccacttcggg ggaatagctg gggtgtgtaa gggtggaagc cctaaagagc cggtagccta 360  
 aggtcttcaa agatttctga gctgctcttg attcgtgtgt atgttttagtg aaagtttggt 420  
 ttcagtgcct gtagctgata ccactgactc tgtgagtaag agtaagctct ctggatctca 480  
 ggtttcctc tgcaaagtga gctggact 508

<210> 957

<211> 274

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (42)..(262)

<223> n=unknown

<400> 957  
 atggaagtac ttcttactga tgattacatt ttttaaaatc angcctgcca gcccattctaa 60  
 gccaaattca aacaccactc tgcattaaat nnanctgcag caggaaagct gagcacatag 120  
 caccctaactg atcggaagaa aacgtaccan gtttaatana attccagatt cctgtggctg 180  
 ttgnccataa aaatgctttn cagtgttgga tatatgggtt tgcaaaagca agcaaatcct 240  
 ccacagttcc gtatctgact gntgaacaac catg 274

<210> 958

<211> 488

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (438)..(438)

<223> n=unknown

<400> 958  
cagcaatgcg ttcccctgtg tttatcttca ggagacacct ggagcacagt ttgggggtgga 60  
gatgtgtgtg tgggcggggtg taggaggtga gtgacctttt attgaactat gatgaagggc 120  
cagtcactgt actaaaccct ttccacattt tccttcactt agtcttcacg atagcctcat 180  
gaggtaggaa cgggggtcac ctcccatttt acagacagag gcttggagag accacatgac 240  
ttgccacat tgtccaccta aaatgcccag gatccaggct tccaaccca ctgctgagac 300  
ttacactgtc tccgggcaca tgggtgaggt ggtggggctg aaaaggaaac ccagcacttg 360  
aaagtctgtg ggcacaaatc cctgagcagc ccaccggcaa gcctgagccc agccaggaga 420  
tgctcccact gtgagcgncc gaacatctgt gcagtcagggt ttgcatctag gaggacggca 480  
cacagcgt 488

<210> 959

<211> 489

<212> DNA

<213> homo sapiens

<400> 959  
cttcttcctt ataaaaagat actgagagct ccataatgaa agaagttggt atactttctc 60  
agaatattct ggaccactga atgcacttct aatagagctt taatctaaag aagttagttc 120  
agtggttatt aactgatttt attacaggag aaaaaaactt taacaaaaag gcagggagaa 180  
aagtgtgaag ggcacaaagc aaaatgacag gggcttcaaa aaacaaccaa agacaaaacc 240  
ctatcttctg aagaccaaag gtccaacttt acttactggc tggcacagct ttctgaactc 300  
cttgagttta gaatagagct cctagaataa taaggcggcc aaatttaaag atcagtcaat 360  
acagtaggga cctgctattg atctctcagg cactgagtct tcacatccag tgtcaagccc 420  
agcccagcat atgggggtgat atgagcagaa aacacacatc ggtgtgtctt gattttctgc 480  
agctgtgta 489

<210> 960

<211> 245

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (89)..(216)

<223> n=unknown

<400> 960

```
cggggcggtgg cgggcggccc tccgtgccca tgattcaggg gcacagctgc cccagcagac      60
acacactttc atacgcactc acaccccanc cccaganaca ccccaggtc tctggaactg      120
gccaggggtc ctgctgctct cananccgca ggacanggtc caagggctac cctcaccccc      180
anccggcttc ctagcgngct ggntgcccان ggccntctt ggacttcttg gtcctcagg      240
gggga                                             245
```

<210> 961

<211> 439

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (384)..(384)

<223> n=unknown

<400> 961

```
gggtagagga agccgtgagg cggagcttag gtcgggaagg gatggatcgc tgagccgata      60
gcgtccgcta ggctgtctgc ctcggtacct gttactgctg ctacttctc gtttgacacc      120
ttcctggaat ctctcttgat ttttgaggaa atacctagta acaaacatga ctgagttctg      180
gcttatatct gctcctgggg agaaaacctg tcagcaaaca tgggagaaat tgcatgcggc      240
aacttcaaag aacaataatc ttgctgtcac ttccaagttc aatattcctg acttaaaggt      300
tggcacgttg gatgtcttgg ttggcttgtc agatgaactg gctaaactgg atgcatttgt      360
agaaggagtg gttaagaaag tagntcaata catggctgat gtattggaag atagcaaaga      420
ccaagttcaa gagaatctg                                             439
```

<210> 962

<211> 566

<212> DNA

<213> homo sapiens

<400> 962

ttagtacaca ttacagacc tgatcaataa aaagaaacta tatatatata ttttttcctt 60

taaaaagaaa atgttgagat acagaccact gtgggagaat tcacctagga aagggggtaa 120

gaagcaagca aaggatacta gagttaaag tacgaccata ctgcaactta tttctgtag 180

cacacacaâa cacaaggaca ggattgtcgg gggaggagcc cattttcact tgaattccag 240

caagttgcaa tcaatcttgt agtacacata ggggtagtat tcttggtgac tcagggttaa 300

acctggaata tccataggag catcaataat agctgctgca ctgctgtcta gatgtttata 360

caattcatgt aatacttctc tcagtttctt caaagttttc ttattgggct gaagtagcat 420

tgcttggaag ttcactggca agccatacct taaaacagac tcaacgaaaa cccgtaatgc 480

tttcacgtga atccatgcaa taaatgcttc actaaaattc actttcagcc accgtacaag 540

tggtccaaat tggttttttc ttatca 566

<210> 963

<211> 407

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (218)..(218)

<223> n=unknown

<400> 963

gaaatgcttt ataggattta gaggcctaagt aggagcatgg tgttcttgta atagcaatcc 60

aaatctgtta ttttagttgt taaggagaa attctttaa agtcttcaa gaaattagag 120

ataggcatta atttattaaa cagtgataat agaggttatt ggaatctatt ttgggaaact 180

ttaagtcatt tgggtattggg aagagagtac ttcaaggnta atttgataa atttaatttt 240



gttataagag gctgtactct gtttgcactc tagaattagg aaggttactt tcctgacttt 300  
 tgtattttctc aggaaaaaaa gaattggaag aaacttaaga ggtctgttaa tgccagtacc 360  
 taaacgtgac atttaacatg gcatggaagc tatgctttga ataaaca 407

<210> 964

<211> 469

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (149)..(447)

<223> n=unknown

<400> 964  
 cactgtatga gacacaacag aatatttttt cttccagtat taaaaaaaaa aagacatttg 60  
 caaacatttt aaagccaact cttctatata atcagtttga tgatctgaat tagaaaatac 120  
 ccctggataa tcatgttctt gatacacann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnctt 360  
 gatgcacatt tcttataggt acattgggga attgcttcct aaccacaata aacactgggtg 420  
 tacagggttt taaaaatngt ccctggntac acattaattt tttgaagtc 469

<210> 965

<211> 464

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (6) .. (10)

<223> n=unknown

<400> 965

```
atcgcnancn gccgcccttt tttcccttag agatactatt tactatctcc tatectgata 60
ggtggaaggt ttactgaatt ggaaattggt tgactattag tttttaacta aaatgtgcaa 120
taacacattg cagtttcctc aaactagttt cctatgatca ttaaactcat tctcagggtt 180
aagaaaggaa tgtaaatttc tgccctcaatt tgtacttcat caataagttt ttgaagagtg 240
cagatTTTTa gtcaggctctt aaaaataaac tcacaaatct ggatgcattt ctaaattctg 300
caaatgtttc ctgggggtgac ttaacaagga ataatccac aatataccta gctaccta 360
acatggagct ggggctcaac ccactgtttt taaggatttg cgcttacttg tggctgagga 420
aaaataagta gttcgaggaa gtagttttta aatgtgagct tata 464
```

<210> 966

<211> 455

<212> DNA

<213> homo sapiens

<400> 966

```
ataattacag atttgatgag gaatctgcaa ataataaaga atgtgtctac tgccagcaaa 60
atacaattat tccatgccct ctcaacatac aaatatagag ttcttcacac cagatggctc 120
tggtgtaaca aagccatttt agatgtttta ttgtgttctt acaaaacctt cagagcatga 180
ggtagtttct ttacctacg atattttcca catttccatt attacacttt tagtgagcta 240
aaatcctttt aacatagcct ggggatgatc tttcacaaa gccaaagcctc atttaciaag 300
ggtttatttc tttctactca atttttctta aaaagaattt caagaatcac tacacagcta 360
agatatctga gacttgcaat ggctggagtc tatcagtaca atagtaattg caatcagatt 420
cagatacaag agaacagggt ctaacaattt cataa 455
```

<210> 967

<211> 557

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (544)..(544)

<223> n=unknown

<400> 967

```
tgactgtgtc ttaatgatct ctgtattcct agtgacatgt agaatcattg tgcctgacac      60
atagtatgta ctcaggaaag aaatggaaaa tgtgggtttta gcattgaagg ccgggagaga     120
gggtctaaca gactacaagc cctgccagga gcagagtaag ggaaacagag gagaaaagtg     180
tttttagtct gtgcctgaat gtattttacat ctgtttgtag cccaaaagcc aaaagcgtac     240
atacgcttgg cttttctgta gctatgttta tggctttaca gcagatttta tggagctgca     300
attactttga tcatgaggga ctgatgctag tggatttact tcaccaaagtg gaactcactt     360
tgtggcttct gaagaaggga cctttgtgga ctgtcatgga gtagttaaga gtgcaggctc     420
tgatttagtg atcagagtct gcattgtcag gaatgggaca aagtgaagtt atgtggcatt     480
gataggatgc cctgagaagt tgcaacatca cccctgggtga taattcctgc tgaagatcca     540
taanctggga tgtaatc                                         557
```

<210> 968

<211> 491

<212> DNA

<213> homo sapiens

<400> 968

```
ctctgcagcc actgaggcct gtttctgtgg ccagagacac cgggcatcaa tgttgacaga      60
aggcctagcc tggctcctcc tagctttaat acctcctcag tgtagggact gctattccta     120
tctcagatga agacgctcaa gctcagggtg caggagtgat ttgtccagtg ccaccagtg      180
aatcagctag agctgagatt caaagctagg ttcgtctgcc tcatttgggc aacggctgct     240
gcctctacag gccagtggaa ggagtgtgcg gatctcaggc attctttctt cagtcagagc     300
attcattcct caagccattc acacatttag gcctcatgct ttttctgtc tttcatcaca     360
tccatttcct acactcattg agaggtaatc tagcattgtg gtttaagggg gtatgtgggt     420
ggttaatgaa gtctggctta gaatcccagc tctagatgaa aatgtattga cttggagagc     480
```

aaagagagct g

491

<210> 969

<211> 189

<212> DNA

<213> homo sapiens

<400> 969

ttcttaaaaa caatgcctcc actccaaata aatcacagtc aaaataaatg aagagctcaa 60

gatgacatca gtcccatttg tcttaagtcc tgggtgttg tggtatgacaa gcagaagcca 120

gttatgatga caggtgatag atccaaaata attgccacat ttgttaacat ttttccattt 180

ctactcgag 189

<210> 970

<211> 58

<212> DNA

<213> homo sapiens

<400> 970

gaagctgtca gatggcaggc gaggtgttcc gagggacttg agcataatcg tgcaagac 58

<210> 971

<211> 510

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (334)..(489)

<223> n=unknown

<400> 971

gaaagattta aaaaattatt cctactaatt tatgtcctcc ggcttcccct tggttacctc 60

tgtggggtaa actgaatctg tatccccatt taacaggtgc aaggagattt cctgggggct 120

gcacacactg tgtgcagcat attgcaggct ttcactcatt taatatctac aaagtcctca	180
ataagtatat gaattactta tgatttcctt gttttttctt cctataagga agctgaggca	240
caagttaatc aaagtctctt ggcctagggt gacacagcta agatttgtag ctagagattt	300
ctgagtgttg acttctctcc tgccccacc tatnnnnnnn nnnnnnnnnn nnnnnnnnnn	360
nnnnnnnnnn nnnngaacat accagggtt catggcttgc ccaatgttgn ctctggagan	420
gagaggagag ggatgagata agtcctccc acccggtga ctgctgtgt gtctcttttc	480
tcacccang gctggccatg tcccccttcg	510

<210> 972

<211> 469

<212> DNA

<213> homo sapiens

<400> 972

ccttcacagg actcttcatt gctgggtggc aatgatgtat cggccagatg tggtaggggc	60
taggaaaaga gtttggtggg aaccctgggt tatcggcctc gtcattctca tatccctgat	120
tgtcctggca gtgtgcattg gactcactgt tcattatgtg agatataatc aaaagaagac	180
ctacaattac tatagcacat tgtcatttac aactgacaaa ctatatgctg agtttggcag	240
agaggcttct aacaatttta cagaaatgag ccagagactt gaatcaatgg tgaaaaatgc	300
attttataaa tctccattaa gggaagaatt tgtcaagtct cagggttatca agttcagtca	360
acagaagcat ggagtgttgg ctccatattg tggtagattg tagattcact ctactgagga	420
tcctgaaact gtagataaaa ttgttcaact tgttttacat gaaaagctg	469

<210> 973

<211> 592

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (215) .. (346)

<223> n=unknown

<400> 973  
acaatgttaa ataaatattt gctttaattt gcttagaaca agtacattgc atgaagtttg 60  
tataattatt ataggtcaca aaaaaacaga atcttcttca catttatcat agtagttggt 120  
tggaaatgaa aataaggata tatcttggtt tctttctgga cttccttaac ttagttccca 180  
tacttcctaa atgatgaagt gattggtatt ctgcngtctt tgcttgacct ttcataatga 240  
atatgancat ttctaanatt ccactaagaa aaacaccnaa nacgtttctg tgccaataaa 300  
atgtagggga ttttttttct tcttagattt tctttcactc cttgttctgc accttgaaaa 360  
tggatatttg ctgaaatgag aggagctgag gaactgaaga aaaggagtgc ttcaaattgt 420  
atatatgcat taaaaattta tgtcaacaag tcaaaattct gacaaaactt ctagagaaca 480  
aatgaataga ggctgtaatg taatattgta ttatctattt ctctatgtac ataaagtttc 540  
aactattgct cacagatgac agagttgatc tggcagaagc aggatgctta cg 592

<210> 974

<211> 317

<212> DNA

<213> homo sapiens

<400> 974  
aacactaata aagatatgtt tcctagtaaa ggatgtattt cactcatggt actgtaatga 60  
taaattcccat tttcaggtta agactgcac tggagtattg aaacttgag ccactttcta 120  
agagggtaaa taggaggata agaagtcttt aaccatttct attgaggata ggctgctgta 180  
attactgtgg aaaagagaag gcttactggg gggctatgag aaggcagaag tagaacattt 240  
gttctacttg ggtgatgaat tagaagtgga aaaagatgag aggcaaagac aaagacagct 300  
cctagaattg aagcctc 317

<210> 975

<211> 576

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (206)..(334)

<223> n=unknown

<220>

<221> misc\_feature

<222> (472)..(472)

<223> n=unknown

<400> 975

```
atagtggctc caattcttta tacctagtta gaaagaatat atcaaggaat actttcccca 60
caaattatcc atcagaaagt tgctcaagag tcttctactc ttttatccca agcaggaatc 120
cttagtcctt ggtatggagc cacctctgct aaagtactca cagcgtttgg gaactcactt 180
ctttgcacgg caacttacac catgcntggt gtaagaggcn tcaactctag gagctgtcct 240
tgnctttgcc tctcacntt tttccacntc taactcaaca cccaagcaga acaaacgttc 300
tacgtccgcc ctncanagc cccccagnaa gcntcactt ttccacagca attacagcag 360
cctatcctca atagaaatgg ttaaagactt cttatcctcc tatttaccct cttagaaagt 420
ggctccaagt ttcaatactc cagatgcagt cttaacctga aaatgggatt tntcattaca 480
gtaccatgag tgaaatacat cctttactag gaaacatatc tttattagtg ttctcgagcc 540
ggaatttccg agcttacgta acgcgtagcat gcgacg 576
```

<210> 976

<211> 324

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (144)..(295)

<223> n=unknown

<400> 976

gcttgagcgg aagttagaag caaaaatgat caaggaggaa agcgactacc acgacctgga	60
gtcggtggtt cagcaggtgg agcagaactg gagctgatga ccgtatgggt ttcttctctg	120
aatcggacga gctgggtggg gcangagcgc tcctgagaaa ntgctgttgt cctcagcagc	180
cggtgcagcc tgcccttggg agcgggggnc tgtggctctc tgggactggg gttctttgac	240
gtcgtgtct cgctgtgcct ggggataact ggcccacgaa ggcacccgtn ggganttggg	300
ggccagagca cagacactgc acga	324

<210> 977

<211> 469

<212> DNA

<213> homo sapiens

<400> 977	
ggtactaaga ataacacaga tcctattatt ctcaacctct aaattcagta catagtaaaa	60
ttcattttct caaactaagg ttctatacat aatcggagta aaccctctgt tactgagtta	120
ggatagggaa aacaaattcc ttagagttca tgaaaccact tcacaaatcc tagaaggcac	180
acattatatt tcctatcata gtaagtacat ttaagtactt catatttaaa aaagacaaag	240
ctgtacagaa tacaaaaagt gtacatttca tcattaaac aaatttaca cttttacgat	300
tagttattac agtagaactg acctaacatt cacatctaaa taattatcac ccagttcaat	360
agagcgaaca aagagctgtg ctcatatttatt tatttgataa ggctaataac attttatatt	420
cacagtagat cagtaagtgt cttgggagct catattgtaa aataaaaag	469

<210> 978

<211> 509

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (386)..(386)

<223> n=unknown



<400> 978  
ctccaagccg gaggggtcct gaggtgacag cgcctgcaac tgaaatttca gcagcgggag 60  
aagatggaca agagaaagct cgggcgacgg ccatcttcat ccgaaatcat cacagaagga 120  
aaaaggaaaa agtcatcttc tgatttatcg gagataagaa agatgtttaa tgcaaaacca 180  
gaggatgtcc atgttcaatc accactgtcc aaattcagaa gctcagaacg ctggactctc 240  
cctttgcagt gggaaagaag cctaaggaat aaagtcattc ctctagacca taaaaataaa 300  
aaacatatcc gaggggtgtcc tggtacttcc aagtcattcac cagaaaggca actcaaagtt 360  
atgttgacga atgtcctatg gacggnntta ggacgaaaat tcagaaagac cctacctaga 420  
aacgatgcta atttatgtga tgccaacaag gtgcaatcag actcattggc ttcgacatct 480  
gttgacagct aggagacatg tcaaaatta 509

<210> 979

<211> 539

<212> DNA

<213> homo sapiens

<400> 979  
ctttactttc acatatcctt tcaaagtaaa ataaaataat ttatttataa caaaaattat 60  
tattaatata ataagaaaaa attcaaattc caacagtttt ctaaggttca caaaccttca 120  
ggctgagtat cagatattaa aagagaaatg ccatcatcct ttcttcgttt ttctttattg 180  
tgcgcagtct gctttgcaga attgtcatct actgtcttac ttcgttgtga gcccctttca 240  
gataaataac agctcttgtg agggtttaga ttttgataag attctaggct gccatcagat 300  
gatgaagaaa gttgctctga ttgcaagttg tctgtatcac tcaaacttcc ctcaagtaca 360  
ggtgggggtcc ttatgtatth tcttcctaac tccgttccca ggacattcgt caatataact 420  
ctgggatcct ttcagataaa ttaaggcttt ggcgaagagg ttctaatttt tgacatgtct 480  
ctaggctgtc aacagatgtc gaaggcaatg agtctgattg caccttgttg gcatcacat 539

<210> 980

<211> 519

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (303)..(303)

<223> n=unknown

<220>

<221> misc\_feature

<222> (458)..(490)

<223> n=unknown

<400> 980

```
aataaatatg caacagacag tgatctatca agctagccag gctcttaact gctgtggtga      60
tgaagaacat ggaaaagggt ccctagaaga agctgaagca gaaagacttc ttctaattgc      120
aactgggaag agaacacttt tgattgatga attgaataaa ttgaagaacg aaggacctca      180
gaggaagaat aaggctagtc cccaaagtga atttatgcca tccaaaggat cagttacttt      240
gtcagaaatc cgcttgccct taaaagcaga ttttgtctgc agtacgggtc agaaaccaga      300
tgnagcaaat tactattact taattatact aaaagcagga gctgaaaata tggtagccac      360
accattagca agtacttcaa actctcttaa cggtgatgct ctgacattca ctactacatt      420
tactctgcaa gatgtatcca atgactttga aataaatntt gaagttacag cttggtgcaa      480
aagaaagatn cctcagggct tgataaggag gaaaaaact                               519
```

<210> 981

<211> 489

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (261)..(440)

<223> n=unknown

<400> 981

aaatatattt ttataatatg cacaagaaaa aatacatttg aatgaataaa aaataaaaatg	60
acaggagggtg acagaattta gtgtttataa atgagggtcat aaagaacttt aataattcag	120
agaagaagtt caaagtgtat ttaaaagttg agaccctgct ttacaatatt ttataatttt	180
aaaaaaaggc gtttaaaggt gatagggtgac ttaataattt tccactttca aaatggggtt	240
ctagacactg ttgttcatga nccnnnnnnn nnnnnnnnnn nnnnnnncaa caaaacccna	300
acactttggc aagcaaagta ttattagtag atagcagctt cataacngtt tactttttna	360
atataaagat ttttcaattt acacttgctg gngtagaaaa aactnatatg ctaagtctgt	420
aagctacgca gccnaaatan tgatcttaat gaagccagaa ttctgtgaaa atgtgcacca	480
cactgcata	489

<210> 982

<211> 516

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (203)..(349)

<223> n=unknown

<400> 982

agcaaccatg acggaccagc aggctgaggc caggctctac ctcagcgaag agatgatcgc	60
tgagttcaag gctgcctttg acatgtttga tgctgatggt ggtggggaca tcagcgtcaa	120
ggagttgggc acggtgatga ggatgctggg ccagacaccc accaaggagg agctggacgc	180
catcatcgag gaggtggatg agnacggcag cggcaccatc gacttcgagg agttcttggt	240
catgatgggtg cgccagatga aagaggacgc gaaaggggaag agcgaggagg agctggccna	300
gtgcttcgc atcttcgaca ggaatgcaga cggctacatc gaccggang agctggctga	360
gattttcagg gcctccgggg agcacgtgac tgacgaggag atcgaatctc tgatgaaaga	420
cggcgacaag aacaacgacg gccgcattga cttcgacgag ttctgaaga tgatggaagg	480
cgtgcagtaa ggagtggaca gtcgctctac caagtc	516

<210> 983

<211> 488

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (72)..(161)

<223> n=unknown

<220>

<221> misc\_feature

<222> (297)..(424)

<223> n=unknown

<400> 983

```
gggccgcgcc tccctggtgg ggacccggca gggcggagtc tcccacaccc tagggacacg 60
cgatcttggt anaggcgact gtccactcct tactgcacgc cctccatcat cttcaggaac 120
tcgtcgaagt caatgcggcc gtogttgttc ttgtcgccgt ntttcacag agattcgatc 180
tcctcgtcag tcacgtgctc cccggaggcc ctgaaaatct cagccagctc ctccgggtcg 240
atgtagccgt ctgcattcct gtogaagatg cggaacactc ggccagctcc tcctcgntct 300
tccttttcgc gtctcttttc atctggcgca ccacatgac caagaactcc tcgaagtcca 360
tggtgccgct gccgtentca tccanctcct cgatgatggc gtccagtcct ccttggtggg 420
tgtntggcca gcattctatc acgtgcccaa ctcttgacgc tgatgtccca caacatcagc 480
atcaaaca 488
```

<210> 984

<211> 515

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(46)

<223> n=unknown

<220>

<221> misc\_feature

<222> (239)..(239)

<223> n=unknown

<220>

<221> misc\_feature

<222> (470)..(495)

<223> n=unknown

<400> 984

gcttaagtac ataacaaggt tattaacact tgcactcagg ggaaangaaa tagctattgc 60

aaattaatgt gtgcaactta ataaaaataag ctgtttgtgt atatgaattt agctctaggt 120

aagcaaaatg cacacatcat ataaaaataa attgcaatga tcagaccaag tggctgtgct 180

ggacatcaaa gaaaagacat gctgttgcca tcaggagAAC tctttcttat atgcgatanc 240

aagatatctt ctttaatatg aaaaaagtta atttctgaat ttcaaaaaga gtaagattag 300

ctaattgggc ttcttaattt ttatgccttt agagttttta gtctattcaa gtagaagagt 360

ccagcgaggc caaagaaggg ttacgggtgtt caagttctgg ttgttggagt ttttagccca 420

gagtgacata ctgaaatcag taaataatta ttttataatg acacagcacn actgccttgt 480

tatgnatttt cttanatgca tatatactgt attta 515

<210> 985

<211> 100

<212> DNA

<213> homo sapiens

<400> 985

ttacatatta aataacacta caatagaatg atatgacata gtttaaacag gagtgaaacg 60

gataaatttc aggttacata acccctcccc ctgaacaaat

100

<210> 986

<211> 493

<212> DNA

<213> homo sapiens

<400> 986

aacatcatga gtcactcctg tccagtcagg gacccagggt tgggtagggg gacgacagggt 60

tacttggagc ccaaaatgat aaggaggagct ttcttatagg gctcagaaat tcactcgaga 120

tagttctcaa agaaaagggc ctagagtgtt ttacatcctg tttgcatatt cattttttct 180

ttatcttgat atttactgtc tggaatatcc attttttact cttccccatc cttgtgcctt 240

ttctcatatt gattattcct cctgaaatgc ctccccatccc tccccattct ttgtatctct 300

gctgatagaa atcttagcca gcccctaagg ccagctgag atggcagggt ccttacacct 360

tcgtgtgccc tgcaagattg gagcacagcg actcattgtg gctgagtga tggatgctgg 420

tgctggaatg ctacctgcat agtatgaata cattttccca ttttaaaaat aagcagtatt 480

cactctagaa aaa 493

<210> 987

<211> 501

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (446)..(446)

<223> n=unknown

<400> 987

taaaaagttt tctttttcct ttttcctttc tagaacattc taaatttttc tagagtgaat 60

actgcttatt tttaaaatgg gaaaatgtat tcatactatg caggtagcat tccagcacca 120

gcatccattc actcagccac aatgagtcgc tgtgctccaa tcttgcaggg cacacgaagg 180

tgtaaggggac ctgccatctc agctgggcct taggggctgg ctaagatttc tatcagcaga 240

gatacaaaga atggggaggg atgggaggca tttcaggagg aataatcaat atgagaaaag 300  
gcacaaggat ggggaagagt aaaaaatgga tattccagac agtaaataatc aagataaaga 360  
aaaaatgaat atgcaaacag gatgtaaaac actctaggcc cttttctttg agaactatct 420  
cgagtgaatt tctgagccct ataagnaagc ctcccttata attttgggct ccaagtaacc 480  
tgctctcacc ctaccaacc c 501

<210> 988

<211> 448

<212> DNA

<213> homo sapiens

<400> 988

ttccctcaca aaaaaggaac caaaacaacg aataagttaa ttttgtctgg agtgactgag 60  
gaaatgccct ggagagtacc aagagaacag caaagtcctt gtggagcaga gagtcaagaa 120  
tagctccaca gggaggagac caaagtatcc tgcctctgcc atactgtctc ccctgagagg 180  
attgaatcaa agccagggggg ttctcttctt tataggaaga aggtaagcgg agaatcatca 240  
gtcctcatca ccaccacagg tgccagcagt cactgtctaca agagagttcc ccagtcctca 300  
caggtcccaa gtccagcatg aacagttgct gaaagtgcac gtggctacat tccccacag 360  
caggaacctc ttgacaccc tgcacccctg caatccaagc agctaaggga tgacacaact 420  
gtgaaaccaa gccccacatc tggagtgc 448

<210> 989

<211> 466

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (157)..(437)

<223> n=unknown

<400> 989

ttcagaaatg tattattctg catgttctag tctgttactg tggctctcaa ttgtattttt	60
tttaatttca ttcaacttaaat tcctcaagct ccaagattcc tgttttggtc ctttccataa	120
tatctatctt tgttcaattt ctcactcagc taatganttt attaatttcg ttaaattggt	180
gtatttctctt acaactcaaa agtttcttta atgtcatttan tttganttan ttttcatgca	240
tttcataaat atncttttctn ttggattcca tnactaaaga tgcattgngg tgccagggtt	300
gggggtgaca cgtttctctg ctttntcatg attcntctgn ctctatgttg gtacctgtgc	360
angtaatgga naattgcttt ttccaanntt aacgagcagc ttncatagga agagggtggt	420
tcctgntgnt gggncnaag gtgctgattt gaaatggcgt gtggtg	466

<210> 990

<211> 372

<212> DNA

<213> homo sapiens

<400> 990

ggaaagaaga attctcataa gtgtaaagaa ttttttcaaa tattgcctct taatggtggg	60
aaggagggtg gaatgcatat atattcctta atagaccaga acccaaggtc atgtcccagt	120
ccactcctct ttttggtgctg tcagaaacat aatatctcat tagttacttt ggaatttcaa	180
ccttctctct tgcacctggt ccacaatccg aaattctaataaaaagcccca cttctgttac	240
ttctgttaat atttggtggtt attaaactttc tgataaacta atatattgct tttgttttat	300
ttactagcac ttactctgct ctagaatttt gcctggggac ctttctatt attaaccaag	360
gaataccatg tg	372

<210> 991

<211> 604

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (545) .. (545)

<223> n=unknown



<400> 991  
ccttatttcc agggcaaggc cagcgagaca gagcccattg ctcaggacgc agcccagatt 60  
gcaaagagag gacagcccat ggtagcggaa gaaattctgg cggagagcac tgtacttggg 120  
gtccttctct cgcagctggc ggtagggatc gggaccctgg tggctgctg gtacctcccc 180  
accaggcct cgctccttct ccacggtttg cagggcccac atggcagctg tggcgcgggg 240  
ttccagccag cgggcgttga cagtggccag cgtaaggctc aggaacagca ggtaaagctg 300  
gctggcctcc cagaatgtga gctgagccca agcatgctgt gaagccaaga tgcagaggtt 360  
gatgaaggca cagcccatgg agatgtggaa gtagaagggg aagagtttgc tctgcactag 420  
tccgaagtat gtcggggaag gcttcggaaa agcaggaagc ctgagacgaa ggtcaccac 480  
atttgcatgc cccaggcacc tgacaagacc agtagatgga ccatcttaat caggctccta 540  
ggttncgct tcttccatct tgctcgagcc gattccgagc ttacgtaacg cgtgcatgcg 600  
acgt 604

<210> 992

<211> 448

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (146)..(146)

<223> n=unknown

<220>

<221> misc\_feature

<222> (268)..(298)

<223> n=unknown

<400> 992

tgtgattatt tttctccatt cctaagttca tagttctgaa cacttctcag atttgtgtta 60  
ataattaacc ttgaagacca tggtcacttt agttctataa gcaagtgcta agaccaaaga 120

agtactcaat taaaaatcta actgcngggg agaaaggatg tttacaaaag tagaaagatc	180
caattttcta gaaagcattt ctcttttgat ttttaattttt ggtctgttga ggaaaccac	240
ctctgaaata ccaattatat tttggtgnct aaagcnaaca tattaatggt cnattaanta	300
ctgataccaa atatttatgt tcagttttct aagggtgctt taaaaaaaaa aaacagcact	360
attttcctgc ttcccaatta ttgacattgc aagaagcaaa tgttacctct aatagcgtgg	420
tcacaaaataa tgtctattta cattctca	448

<210> 993

<211> 396

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (8)..(395)

<223> n=unknown

<400> 993	
atagcanan gctgcaanta agtcttccct tcactaataa acatagatgc cattgctctt	60
gannnactcc tgagagtgn anagccttca actgaataac cttgacaaag tgctctgaga	120
atgnaaatag acnttatttt ggaccacgct attagaggga acatttnctt cttgcaatgt	180
caataattgg gaagcaggac aatagnctg tttttttttt ttaaagcnac cttagaaaac	240
ngaacanaaa tatttggtat cagtnattaa ntgaacatta anntgnntgc nntanncacc	300
nnaatntaat tggtanttca gaggtaggtt tcctcaacag ancaagaatt aaaatcagaa	360
gagaaatgct ttctaganga ttgngcttt ctacnt	396

<210> 994

<211> 409

<212> DNA

<213> homo sapiens

<400> 994	
gagccccacg tgaggcttgg taggactgcg gacgtatttg ttttcttcaa gcatttggtc	60

gagattaaga attaaaaatg tcatccaaac aagaaataat gagtgaccag cggtttagac	120
gggttgcaaa ggacccgaga ttttgggaaa tgccagaaaa ggatcgaaaa gtcaaaattg	180
acaagagatt tcgagccatg tttcatgaca agaagttcaa gttgaactat gccgtggata	240
aaagagggcg cccattagc catagcacta cagaggattt gaagcgtttt tacgaccttt	300
cagattctga ttccaatctc tctggtgaag atagcaaagc attgagtcaa aagaaaataa	360
agaagaaaaa aaccagact aaaaaagaaa tcgattcaaa aaatctagt	409

<210> 995

<211> 510

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (361)..(507)

<223> n=unknown

<400> 995

tgaatctatc ttaaatttac atgaggtttt cattttttta attcctatag aattatctaa	60
atcagtttta ttttcagaac ccttgtgatt agccttcttg gtttctttct ttttctcaac	120
tagatttttt gaatcgattt ctttttttagt ctgggttttt ttcttcttta ttttcttttg	180
actcaatgct ttgctatctt caccagagag attggaatca gaatctgaaa ggctcgtaaaa	240
acgcttcaaa tcctctgtag tgctatggct aatggggcgc cctcttttat ccacggcata	300
gttcaacttg aacttcttgt catgaaacat ggctcgaaat ctcttgtcaa ttttgacttt	360
ncgatccttt tctggcattt cccaaaatct cgggtccttt gcaaccgctc taaaccgctg	420
gtcactcant anttctnttt tgggatgaca tttttaaatt cttaatctcg accaaaaggc	480
ttggagaaaa acaaatacgn ccgcagncct	510

<210> 996

<211> 475

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (18)..(18)

<223> n=unknown

<220>

<221> misc\_feature

<222> (429)..(429)

<223> n=unknown

<400> 996  
gtgctcagca cggtagtnta caaaaggact acatttcccc aaatgcccg aaagccttgt 60  
gcacgccttc cggaaggagt ttgttacacg aggtctgaga gacagaggca gcgtgtttga 120  
gctgctggtg cggtggtcag cgcgatgccc aaggccaagg gcaaaacccg gaggcagaag 180  
tttggttaca gtgtcaaccg aaagcgtctg aaccggaatg ctcgacggaa ggcagcgccg 240  
cggatcgaat gctccacat ccgacatgcc tgggaccacg ctaaatcggg acggcagaac 300  
ctggccgaga tggggttggc tgtggacccc aacagggcgg tgccctccgt aagagaaagg 360  
tgaaggccat ggaggtggac atagaggaga ggctaaagag cttgtacgga agccctatgt 420  
gctgaatgnc ctggaggcag aagccagctt ccagaaaaga aaggaatact ctgtc 475

<210> 997

<211> 349

<212> DNA

<213> homo sapiens

<400> 997  
tatttacatc acccaccctg aaaacagcag gttctggctt ttccgtgaac cccagatga 60  
atataaattg gagcctctga gaacagttcc ttccccagag cggggagtgt gcacgtgtgt 120  
gtgtaacctt ctgattccat gggacctggc cagctcctct ggagccacac agcacctcct 180  
tgccttacac cctgggctcc agcttcaactg gtccggggga cgcctcagcc tggggcagct 240

gtgatgtaaa ccagtcactc cacctccatc ttcctcttct gcaaagaatc gaggaagtct 300  
 tgccactctt atagtcctcc ccgtgggttc tctaccatgt agcgtacat 349

<210> 998

<211> 503

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (64)..(64)

<223> n=unknown

<220>

<221> misc\_feature

<222> (243)..(243)

<223> n=unknown

<400> 998  
 ggtgcgccga gatcgccctc gcaggatgag ggagtgggtg gtccagggtg ggctgctggc 60  
 cgtccccctg cttgtgcgt acctgcacat cccacccct cagctctccc ctgcccttca 120  
 ctcatggaag tcttcaggca agtttttcac ttacaaggga ctgcgtatct tctaccaaga 180  
 ctctgtgggt gtggttggaa gtccagagat agttgtgctt ttacacgggt ttccaacatc 240  
 canctacgac tggtaacaaga tttgggaagg tctgaccttg aggtttcatc gggtgattgc 300  
 ccttgatttc ttaggctttg gcttcagtga caaacgaga ccacatcact attccatatt 360  
 tgagcaggcc agcatcgtgg aagcgctttt gcggcatctg gggctccaga accgcaggat 420  
 caaccttctt tctcatgact atggagatat tgttgctcag gagcttctct acaggtacaa 480  
 gcagaatcga tctggtcggc tta 503

<210> 999

<211> 481

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (440)..(440)

<223> n=unknown

<400> 999

```
ttccagtttc aaagttgtta tacttgaagt tgctaattta aaaaaacgaa ttttaaataa      60
tcacttaata atcctgcttt gactaagaca atgaaatgtg gctttaaaaa aaaagtattc      120
agcaccattt gctcataggt ctttcagagt ttgttcttaa agtttctgga actttcctgt      180
ctgtaaagta acaggaatta ctgagctaca ttggaaagcc tctctgggac aggcagtggg      240
gagttaagca gtcatacataa aggaatcagt gtacattcag catggtgact tgactacaca      300
acaatccctt cccctctact gtagctcaag agagacatgc ttctaaccac tgaggatatga      360
ggagtctcag actgttattt gctgttagaa ttggtcttcc ccagctaata acagtacatc      420
tctgggcaca gatgctattn ggccttaatg tcctgtgatt ttagggaata gttgggatta      480
g                                                                           481
```

<210> 1000

<211> 499

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (381)..(486)

<223> n=unknown

<400> 1000

```
gtgctgacaa catcgcccac ctgaaggacc ccctggaaga tgggccccct gaggaggcag      60
cccgggcact gagcggcagt gccacactcg tctccagccc caagtatggc agcgatgatg      120
agtgtccag cgccaggcca gtcagccggg gcaggcagca actctggggc tgggcctggt      180
```

ggggcgctgg ggagccctaa gtccaatgca ctgtatggtg ctcctggaaa cctggatgct	240
ctgctggaag agctacggga gatcaaggag ggacagtctc acctggagga ctccatggaa	300
gacctgaaga ctacagtga gagggactac acctacatga cccagtgcct gcaggaggag	360
cgctacaggt acgagcggct ngaggagcag ctcaacgact gactgagctt catcagaacg	420
agatgacgaa cctgaagcag gagctggcca gcatgganga gaaggtggct accagtcccta	480
tgaganggca cgggacatc	499

<210> 1001

<211> 551

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (11)..(11)

<223> n=unknown

<220>

<221> misc\_feature

<222> (382)..(411)

<223> n=unknown

<400> 1001

ggcaggcact ntttcctgc tctaggggat tcctctctcc tttccaaga aatcccctct	60
cttcttagaa gtgcccatgg gaggctggga tgtgaaaaga aaccatacac aacctccag	120
agccttaaaa aaataaagca acaacctcct ccacacgaat acacttacia aataaataga	180
cggataaaaag agaggccacg tgcctcccat cccggctgta gggctgcttg gggatagtgg	240
ggctgggttg ctcggtccca cttctcccag ccaggatgat ccaaaggcta aatggaatgg	300
aagggccttg gcttcagaga gaggatgggg caggacctct cctggtactc agcagggaag	360
aactggggg cagggtagg gnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naccacacag	420
cactctcaga ggcctaaggg cttagggtga ggctcagggg ggccctgggg ctgtttccct	480
gaaaataaca gatccagtac aggcagaaag aacagaaggg aaaacacagg ccacacccac	540

ctggcctgca g

551

<210> 1002

<211> 164

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (41)..(150)

<223> n=unknown

<400> 1002

ggcgagaga accccggctg ctcagcgcg cccgcggtca nggagatccc cgngagcctg 60

tgcaagaaag tcaagcngag caataacgcg cagaactggg gaangccaga gagcaaccag 120

tgtcacctan caagcncatc angtcagcan gaacaagaga agtc 164

<210> 1003

<211> 457

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (413)..(413)

<223> n=unknown

<400> 1003

gagtgcccat cccacccgc ggttgccctc cctcggcacc cttgattggg ttttgacta 60

aagaggtcag ctgggccaat gatattgctc cagaccgagt cctaccacc ttcccccgga 120

agtgtcccaa gaggtccga aggcctcccc tccgagccca gctctcctgt ctctccaca 180

gccaggccct gcacgcccac ctctcggac acaggtgaca gggttaccct ccagtttgag 240



ctcatctgca cgagacacag gtagcttggg gttgaagtta ggactcctcc tgggctggag	300
gatttacctg gtggggcact tccagactgt ttctagcaat atacacacac gttctttcct	360
gtgtcttcac cccaaaactt cagttgattc tgactgggag gatctgggga canggggtct	420
tgggctgctt gtgatacaca gccccagcc accctgc	457

<210> 1004

<211> 526

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (175)..(352)

<223> n=unknown

<220>

<221> misc\_feature

<222> (454)..(491)

<223> n=unknown

<400> 1004

ccttgggttt gcaaaaagtc ccacaagtga agaggcagca gtgctcatgt gaacatggag	60
cgctcacccc agcccctcag cacagccagg gggccttggg gtacacaccc tccttccttg	120
gggccgccag cacctcctct gccctatccc ggatggggcc tgggggtctg cccanggtgc	180
gnaantggna tctatgctga aacacctaa tgcccaggag gtgcccccat ggcccaggag	240
tgacacggct cccccagcan ccagagccca ttcttgagcc aganaggtea cggttgnncc	300
aggaagagcc atntgcnang ntggccgna ancntcactg agnatgtgca gnagtggcag	360
cctctcagac atagaggggg ctccctgggt gacatctcca gagacccctt tgtccccag	420
acacccttg ggtagactgt gtttgaccct tcanaaatag gaantgngac ctcgggtcgn	480
aaattgctca naattttctg cgtgtctcag atggttgttt tcttaa	526

<210> 1005

<211> 223

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (38)..(38)

<223> n=unknown

<400> 1005

```
atggacctca taaatgcaag gtatgtggga aagccttngt ttatcccagt gtattttcaaa 60
gacatgaaag gactcacact gcagagaaac cctataaatg taaacaatgt ggcaaagcct 120
accgtatttc cagttccctt cgaaggcatg aaacaactca tactggagag aaaccctata 180
aatgcacact tgggaaagcc tttattgatt tctgttcctt tca 223
```

<210> 1006

<211> 252

<212> DNA

<213> homo sapiens

<400> 1006

```
aagggaacc tccttattca tcgacgtact cacactggag agaaacccta tgtatgcaat 60
gaatgtggga aaggcttcag ccagaagaca tgtttaatat cccatcagag atttcacaca 120
ggaaagacac cttttgtatg tactgagtgt ggaaaatcct gctcacacaa gtcaggtctc 180
attaaccacc agagaattca cacaggagag aaaccctata catgcagtga ctgtgggaaa 240
gctttcagag at 252
```

<210> 1007

<211> 256

<212> DNA

<213> homo sapiens

<400> 1007

cagcacacag gacccccgga tcagccccct ctttggccat ctggacatgc atagtggcgc	60
ccagtcagga cccatgcacg ggtgagaccc tgccaggcca ggatggaggg gtgggggacc	120
ccaggagact caagcctctg aagcctcctg tcctgtcccc ctgccaccc ccagctttgg	180
cttcggggtg cccacgtcac gggcctacgc ggagtacctc ggtgggtctc tgcagctgca	240
gtccctgcag ggcatt	256

<210> 1008

<211> 276

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (205)..(205)

<223> n=unknown

<400> 1008

agaagactga aaaaaatcgg tattttctgt atcagtcctc aaagaataaa tatttgtgga	60
cagctcaatc ttgtttgctt tgacaagact ggaactctaa ctgaagatgg tttagatctt	120
tgggggattc aacgagtgga aaatgcacga tttctttcac cagaagaaaa tgtgtgcaat	180
gagatgttgg taaaatccca gtttnttgct tgtatggcta cttgtcattc acttacaaaa	240
attgaaggag tgctctctgg tgatccactt tgatct	276

<210> 1009

<211> 246

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (74)..(245)

<223> n=unknown

<400> 1009  
aaaccttaca aatgtaatgt gtgtggcaag gtctttaatt acggtggata cctttcggtt 60  
catatgagat gtctactgg agaganacct ctccattgta ataaatgtgg catggtcttc 120  
acttactatt catgcctagc acgtcātcna agaatgcata cnggngagaa accttacaaa 180  
tntaatgtgt gtggcaagat cttccttgnc agtgnaacnc ctttnanttc ataggcgngg 240  
tcatnc 246

<210> 1010

<211> 396

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (20) .. (21)

<223> n=unknown

<220>

<221> misc\_feature

<222> (272) .. (386)

<223> n=unknown

<400> 1010  
ttaggacaac atctaacggn ntttccacat tgagttagt tgtaagggtc tctccagcat 60  
gttttatctg atgttttagtg aggctgagcg actaatgtaa gatttgccac actcattaca 120  
tttataaggt ttttcactag aatgaattcg ttggtgttta gtgaggcaag accgccgccc 180  
aaacgccttg ccacattcca tacatttgta tggcttctct ccagtatggt ttctctgatg 240  
gtaaaccaag ttgaccttt cgataaaagc tntaccacat tcattanatt tataaggntt 300  
ctctccagta tgcacatct gatgattaag cagaattgaa cgtactctaa aggctttgcc 360  
acactcatta catttgtaag gtttcnctcc agtatg 396

<210> 1011  
 <211> 435  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (131)..(420)  
 <223> n=unknown

<400> 1011  
 gttttctatt gacaaaagtt acttttttga acttggaaca tacgaccctg gccttgatgt 60  
 ttgggggtggg gaaaatatgg agctctcatt caaggtgtgg atgtgtggtg gtgaaattga 120  
 gatcattccc ngctc<sup>✓</sup>ccgag tgggccatat attcagaaat gacaatccat attccttccc 180  
 caaagaccgg atgaagacag tggagcggaa cttngtgcg gttgccgagg tctngctgga 240  
 tgagtataag gagctgttct atggccatgg agaccacctc atcgacccaa gggctagatn 300  
 ttggcaacct canccnngca aaggagctt cgnaaagaaa ctttaagtnc aaaaaatttc 360  
 aaaatggnnn cttngagaa nngtntttcc ctgacttaan ggntcccatt ngtnagaccn 420  
 aagtgtgtc ctttt 435

<210> 1012  
 <211> 353  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (304)..(307)  
 <223> n=unknown

<400> 1012  
 aggaggttta gatggagttc agatcttaat aagcacttca tgacccatca aggaataaaa 60

ccatatagat gctcatggtg tgggaaaagc tttagtcata acacaaatct acacacacac	120
caaagaattc acacaggaga gaagcccttt aaatgtgatg aatgtggaaa aagattcatt	180
cagaactccc accttattaa acaccagaga actcacacag gtgagcagcc ttatacatgt	240
agcttatgca agagaaactt tagtaggcga tgcagccttc ttagacacca gaaactccac	300
aganganggg aagcatgtcc tagtgtctcc aaactgagga aagttacctg tag	353

<210> 1013

<211> 605

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (458)..(458)

<223> n=unknown

<400> 1013

aaatgtgtca ttttcattac gaagacaatt ttatggaata ctaaataaac atatataaat	60
aagccttggc caacattata aaccaggatc tgacatagat ataaatccat gccttccaac	120
ttcccttgac gtcacattat cttctcttaa gagatagtca ctttggttaa tagggaaaag	180
aaaaccagta acatcagaaa acaatttcca tctggcctgg ctctgactgg catcatcact	240
gtgagccata tgccttactt ttctctgaca cttcaggatg ttccctcctg gtatcagctg	300
tgcaccaaag ctaaaagttc acaaggctct ccttgccatt ctcaataaat cagttttgca	360
aaatctccag gccttcttgc agagtattca ggcatatagg gttgtagttg atcagccata	420
aagatggggc tccctttagg tcctgcagca gtatggcnca gtttgaaagc ctccatccag	480
tccacataat gaaagtcaga aaaagaccat ttaccactta tctgtgcttt ctacaaaaaa	540
aaaccagata cctggatgag ggccaagact gcctcctcat catttcacta tatgtctatg	600
tgaca	605

<210> 1014

<211> 441

<212> DNA

<213> homo sapiens

<400> 1014

```
gatgaatcac tgcaacttgt gggacagcca ccaccctgag gtaccccagc gcatcttgcg      60
gatcatgtgc cgtctggagg agctgggcct tgccggggcg tgccctaccc tgacaccgcg      120
ccctgccaca gaggctgagc tgctcacctg tcacagtgtg gactacgtgg gtcattctccg      180
ggccacagag aaaatgaaaa cccggggagct gcaccgtgag agttccaact ttgactccat      240
ctatatctgc ccagtagct tcgcctgtgc acagcttgcc actggcgctg cctgccgcct      300
ggtggaggct gtgctctcag gagagggtgtg tcctctgtgg gctggggaga ggaggactgg      360
ggggaatgga aaaagagagc atctgctgtt tctggaggct ctgagagagt caagcagggc      420
ctgaggaaag gggccatggg g                                     441
```

<210> 1015

<211> 130

<212> DNA

<213> homo sapiens

<400> 1015

```
atcaggggaa gcaccaaaca tcctcaactc tgctcaccca tggttttctc ccgccctccc      60
agagctcttc ctgcgtgagt aatgcagtgt gtgctgggtc agtgtctcac tgaaaaaaga      120
aagaaaccct                                     130
```

<210> 1016

<211> 99

<212> DNA

<213> homo sapiens

<400> 1016

```
cacacactgc attactcacg caggaggagc tctgggaggg cgggagaaaa ccatgggtga      60
gcagagttga ggatgttttg tgcttcccct gatctcgag                                     99
```

<210> 1017

<211> 481

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (455)..(455)

<223> n=unknown

<400> 1017

tattaagtca gttttatcag gtaaagttga atgaaataat caagtttaag tgcgtcttgg 60  
gtatttgcaa agatgtatag attaaggcta aaagggttgg agaaatagat ttgggagtta 120  
cctatgattt tttttggtta ttctgctctc aggattgaaa actaaagaat ctccagaactg 180  
catttctaata tagtgccata aaattcttta ttgatgccaa gtttttgttt tttccttgta 240  
aattgtggta ggtagaattc taaatgacct ccagtagacc cactaccagt atatattgca 300  
taatccatgg gactgtgtga ctagggtggc ttatactcct gtgattatgt ttaatatatg 360  
gcacagttga cttcgagaag ggaatttatt gtcagtgggc ttgaccatt tgccagagcc 420  
cttttaaacc tgtattttaga ggtccagaag ctgangaggt aagagattcg aaagccagga 480  
g 481

<210> 1018

<211> 476

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (75)..(267)

<223> n=unknown

<400> 1018

taatcaccaa tgtggtggta tgagaagggtg ggacttttgg gaggtaataca ggttaagggg 60  
gtggaactct caggnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120



```

nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnccattgt ttatacncca ctcgatctgt ggtactttgg tacagcagcc 300
ccagtggact aggataacaa gcatcgctct acaatttcta atttggtttt gaatcactgt 360
tcctataatc tccagcttgc ttctttcctc cagctgctta ttttctccaa ctagcatttc 420
acaattcctt cctacgttcg ttcactgaat acattcaggc tgaaaccaag tatctg 476

```

<210> 1019

<211> 527

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (472)..(490)

<223> n=unknown

<400> 1019

```

gttacaggtg gatacttttt catagcacat acccccaaaa acctggggat cctgggttac 60
ataatgagct ctttcttgga ttatttgcaa gagtcttcta agtgggcctt aattcacct 120
gtacaccact accaaattca tgtgtctgaa gtgattcctg gtatctggga ggcttagact 180
ggaggtctgg tgtaattgc cccactctga aatttactg ctatatttaa tatttaatca 240
ttttattaaa tatttaatat ttaatctcgt attgtctttt ttaccactt atagcatgta 300
ttttctgaaa ggtgtaactt aatcatgccc ataaaaatgc agtatttcat tatgtattca 360
ctgacacttt ttgggttttt taaatgtctg tttttagatg tgaataactt tctttccctc 420
ctcctgagga ctaaagtctg attttttatc ttgcccaaat ttcttatcta angggtctng 480
ggagtcatgn ccctgcaacc ataaactctc atcagatggg ttttaat 527

```

<210> 1020

<211> 420

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (327)..(396)

<223> n=unknown

<400> 1020

```
accaggcatt tttgtacatg ttataatcat ctatgacttg tctttttccc ttactaacct      60
gcaaactcact taaggtaatt ttttctttac actttttccaa taaactttta ttattgggta      120
agtcagtttt agctgtttta aaactcaact ttgtttcccc tttatcatct aagcctagat      180
ggtggcactt agtggacctt caaaatatat ttaaactgaa ttatcttttg aatttcagga      240
ggatgtgaaa atgctctccc atctgtccca ggcttttagat tatggggcac cccctcatgg      300
aggaattgcc ttaggtaaac aactttncct tttataaaga taaactgaat tcccattgca      360
ctgtctcaaa ttcaggggtct cagtttgtgg tggtangagg tggaagggat gagtccaaga      420
```

<210> 1021

<211> 481

<212> DNA

<213> homo sapiens

<400> 1021

```
tggtgaagaa tgttgcctgg attccttcca tctaaagact tgattggttag acctgtggca      60
gaactctaga tctgacttta gccttgggga agcaaagagg acaaaaccta aaagctcaac      120
tttctgcatg gtatgcatga ttcaatgagc tctttctgct ttggagtctg ttggcttgga      180
gactcggata tgatagggtc tcagttcctc aggagggaga gaatctgggg tattgctcat      240
gaggtcatgt ccccggaagg actttgggaa ggctatgaca tctctgatgc ttggagatcc      300
agtgacaagg catatcagtc tgtctaacc tgtgagtaaa atacaaagat aacagatgag      360
aaatgtaatc taatgttgga aataacttag ttttctata aaagttgtag aaaactttta      420
aataagaatc ttttaaaaac tgtagccaac catcggtccc taccttttta gagaactttt      480
g                                                                                   481
```

<210> 1022

<211> 421  
 <212> DNA  
 <213> homo sapiens

<220>

<221> misc\_feature  
 <222> (364)..(413)  
 <223> n=unknown

<400> 1022  
 gctccttcca agcccagacc catatgcaga ggcggggggcc agaggtgaac attttggcaa 60  
 tctggtgtcc ctccccagta cattggtctc tcgcttctcg acctagacca ttgggaagtt 120  
 cttcctgtgg tctgttgaac agctgttctg cttcagcttg agtcattagc ctccttgtgg 180  
 aaccaaagag ctagtaactg ctggtccttc aagccttctg ttcacacagt caaccctgga 240  
 gcctccatgg ggcagagagg gctgagaaat gaataatctg agatgaacat agacacaggc 300  
 agccaaccga ggctctctga tcacacccgc tcgttccagt ttggtgtggg ggaggatgta 360  
 cagntctccc tccnacatac aatctgattc aagggtgata ctttcaagtc ctncagtttt 420  
 g 421

<210> 1023  
 <211> 491  
 <212> DNA  
 <213> homo sapiens

<220>

<221> misc\_feature  
 <222> (411)..(483)  
 <223> n=unknown

<400> 1023  
 tttgcctcag tttatattgt atgccagttg atggaagatc tgaagtggct gtggtatgaa 60  
 aacaggatat atgtattagg ctatgtcttg atagtggat ttttcagctt tgttgtttgt 120

tacaagcatg ggccccttgc agacgacagg agcagaagtc ttctgatgtg gatgctgcga	180
ctcctctccc tggttctggt ctatgctggt gtggctgtgc ctcagtttgc ctatgcagcc	240
ataatcctcc tcatgtcttc ctggagtctg cactaccac tgagagcatg cagttatatg	300
aggtggaaaa tggagcagtg gtttacatca aaagagctgg tggtgaaata tcttacggaa	360
gacgagtaca gggagcaagc tgatgctgaa acgaacagtg ctctggagga ntacgccggg	420
cctgccgaaa acccgacttt cctcatggc tggtcgtctc cagactccac actnctagca	480
aanttgcaga c	491

<210> 1024

<211> 133

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(132)

<223> n=unknown

<400> 1024

tatgtcntgt ctaacagaat ttgaacatat taaaatagat gaccaaatan nanatattta	60
gactangtag tggnacacat gatttatgnc ngtcanttcn tgaaaactta tgnnggacttc	120
antgacntta cnt	133

<210> 1025

<211> 456

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (418)..(424)

<223> n=unknown

<400> 1025  
cacacataca aaatactttt acactgctac atttcatcag gaggatgtac taccatttat 60  
atgcccagtt cccaagaata aacagttggg tcattaccat gcctttgcta aaaactgctg 120  
aaacagactt tgcattccaca gtctgcacac gtgaacatgt ttctagatgt ggagttgggg 180  
gccaaagagt aaatggattt tcatctttga cagatttgcc ctccaaaaaa gacaacacta 240  
gtttccattc ccaacaaaac tccgtgagct tacctgacag cctttggtaa acagtatcta 300  
tgtatattaa actcctgata tcagttgctg gcacaggtga aaaatactat ctctaggtgg 360  
ttatttgcac ctgtgactga gactgggtct ctttttaaata ccacacatgg ccatttcnng 420  
catntatttc ctacgggtgt cactgtgttt tgcaca 456

<210> 1026

<211> 505

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (119)..(427)

<223> n=unknown

<400> 1026  
aagcattcac atcaaagtgc cacatcatgg gtatgcatac atgtttgtat atcatagact 60  
atctggatgt ttttaagttt cttatcgaga tataattcat ataccataag tggtgccann 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnactt 360  
agcatcatat ttttgaggat catccgtgct atatcatgga tgggtaccat gttcctttga 420  
tggtgnata ataccccctt gtagggatgg accacgttta gtttatgcac acatgagctt 480  
gacctgggct gctctttaaa gggtta 505

<210> 1027

<211> 520

<212> DNA

<213> homo sapiens

<400> 1027

```
ataaaattgt catgagctgt gttgaagaca gggtgctttc aaatagaggt aatttgctct 60
tgtgttgtaa gaggaacatg tcaacaaaga taggaaatga gggtagatcgt gcagatggct 120
tgtatcttat atatgcaaag gagccaatct cagaagcaca aagaaaaaag tgtgcatacc 180
ttatatttgta cagataaaga tgatgtcttt ttgttattgt ctgtctgttt tgtatgtgtc 240
tgagataagg gatagagagg aaacatccgt caggctaatt taactacatt ttattttaaa 300
aatagagaaa cataacctct agatgggaca gcagaggaca gttagtagag gccacaaact 360
gttatgggct gctgtgtttt gttctaaaat caatatgggt ggagcatgta tatcttaggt 420
gatcatttca catcttagga atgcctactc attttatttt attctagtga tgctcaattc 480
actatttaat ttattatatt ttctctctgt ggcacttata 520
```

<210> 1028

<211> 452

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (25)..(25)

<223> n=unknown

<220>

<221> misc\_feature

<222> (307)..(427)

<223> n=unknown

<400> 1028

aaagtgtgga aggttggagg aaatncacaa aaccgtaag ttttagaggg tctgaaagca	60
acattgtcta tcaaatggat acggcacaga ttattcatct ttacttggtg tcacccattt	120
gaccactgat actggcaacc ataatttgta gttcagaatg gtcatccatc catcgttgca	180
tcattcaaag tgatgtggct taagtgtata taatgattat taatagttca tcttcgactt	240
tgctgtgga ttaattggtg tgctttgtaa caagatagtg ctagtttaat tttttaacat	300
tgtgaanatt gtgaccatgt tttctaagag gtcagataat gagaatgggt ataataccca	360
atgcaacca tgaccccatc actnaagaag aaggctaaac gactatgtat tttgatggat	420
ggatggnagg acacatacta ctgaactagg aa	452

<210> 1029

<211> 396

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (48)..(48)

<223> n=unknown

<220>

<221> misc\_feature

<222> (383)..(383)

<223> n=unknown

<400> 1029

ccttagactt ctggtttgcc tgcaatggat tcaggcagat gaacctgnag gataccaaaa	60
ctttacgagt agccaaagcg atctacaaaa ggtacattga gaacaacagc attgtctcca	120
agcagctgaa gcctgccacc aagacctaca taagagatgg catcaagaag cagcagattg	180
attccatcat gtttgaccag ggcgagaccg agatccagtc ggtgatggag gaaaatgcct	240
accagatgtt tttgacttct gatatatacc tcgaatatgt gaggagtggg ggagaaaaca	300
cagcttacat gagtaatggg ggactcggga gcctaaaggt cgtgtgtggt atctccccac	360
cttgaatgaa gaagaggagt ggnttgtgcc gacttc	396

<210> 1030  
 <211> 451  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (23)..(51)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (269)..(422)  
 <223> n=unknown

<400> 1030  
 gaaaagacaa ggcactgggc agngatgagg gtccttctcc atctcccagc nctcctggct 60  
 tccctcatct tgcttcaggc tgcagcatct accacaagag actaccagaa cctctgccat 120  
 ctccgatact gtgagtcagg ccaaggtcca agtcaacaag gccttcctgg actcccgaac 180  
 caggctgaag accgccatga gctctgagac tcccaccagc cgacagctct cagaatacct 240  
 caagcatgcc aaaggccgga cgcgcacanc ccatccgcaa tggacaggtg tgggaggagt 300  
 ctttaaagag actgaggcag aaggcatcct tgaccaatgt cacagatccc agccttggac 360  
 ttgacttcac tgtctctggn ggtgggctgt ggtgcnctg gntcccgtgg tgagatgcga 420  
 cncgtgcagc ccttaccgca ccattaccgg a 451

<210> 1031  
 <211> 208  
 <212> DNA  
 <213> homo sapiens



<220>

<221> misc\_feature

<222> (26)..(26)

<223> n=unknown

<220>

<221> misc\_feature

<222> (144)..(187)

<223> n=unknown

<400> 1031

gattaaaata cagatttttaa taattncctt actactttta taggtagtgc tttcaaataa 60  
aaccagtgtt tgctaaatcc aaatgtcttt ctcccttgct aaattatagc aggagcatgc 120  
taaatatttc atcagactac tggnatgatg gttttacatt ttaatgtttg aaaacataat 180  
tttggtncaa ttgcagtgtg aaactatt 208

<210> 1032

<211> 430

<212> DNA

<213> homo sapiens

<400> 1032

ctctagtcct cgtggttgcc tgccccactc cctgccgaga cgctgccag aaaggtcacc 60  
tattctgaac cccagcaagc ctgaaacagc tcagccaagc accctgcgat ggaagctgca 120  
gatgcctcca ggagcaacgg gtcgagccca gaagccaggg atgcccgag cccgtcgggc 180  
cccagtggca gcctggagaa tggcaccaag gctgacggca aggatgcaa gaccaccaac 240  
gggcacggcg gggaggcagc tgagggcaag agcctgggca gcgccctgaa gccaggggaa 300  
ggtaggagcg ccctgttcgc gggcaatgag tggcggcgac ccatcatcca gtttgtcgag 360  
tccggggacg acaagaactc caacttactt cagcatggac tctatggaag gcaagagggt 420  
cgccgtacgc 430

<210> 1033

<211> 557

<212> DNA

<213> homo sapiens

<400> 1033

```
gctggatgtc tccctcccca acccctgcaa gctggcccat ccttccagag ccccatagg      60
cctggggctg ttgagacggg agatgtcccc actgtgctgc tcctggtttt gtctcctctc    120
caatccttga gcaccctgat atgcaacatg gggggtaatc agaaggagga ggcagcctct    180
gatggggcaa cggctgaggg tgggggcagt gtgtaaggca ccttttgagg tcagcccagc    240
cacactccat cgccagagag aatgccaaag tgtagactga atgaaattct gtaggcaaatt    300
ggtaaatggg agctggggcca gtagctatct gcatgggtgg attatatcat gttaagggaa    360
ttctttatct cagcagaggg aacagaggaa tatcttggct aaggatcatc tgccagtcag    420
gagaagccac cctccaggga ccacagactc aaagtggctg tggtaggagc ccaccgcctg    480
ggtaggggtg tgtcaagaca ctgagagggt ccatctgcag tggccaaggg ctgcagggtc    540
tgccatgctg ggcattg                                     557
```

<210> 1034

<211> 150

<212> DNA

<213> homo sapiens

<400> 1034

```
aaaaagttaa aaatacaaat atagcactgt aaacatctga tatgtatcct ttcaaacttt      60
tttctgtata tatttatctg ttaaatttgt attgatgcc tccttttagtg tagactttct    120
attaagaact ggaaacagag ccaaacaaaa                                     150
```

<210> 1035

<211> 494

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (490)..(490)

<223> n=unknown

<400> 1035

```
ttcttggctg ggccagcata cgggataaaa taacttgcaa atgatgacag atgtctttac 60
cctatattct tttctatctg gaatcaaagc ttgtttggag acctgtatca tcatcccagt 120
acaaacctct tgccctccca gcatggctgc cataaataat gactcatgtg caaagaacca 180
acccccagga aggcactcct ccataaagg gacacagcca cacttctcaa gggactcctg 240
agggcagagc agtaaccctg ggagtttgtc ctaagtatct tacagttgag cagaggagct 300
tcagggtagc tgaaagtgtc tcgtcagttt tactttttaa tgtttttttc ctatttacct 360
atgtgagcaa aaatttacta ctgtaaaatt gaaacaatga aatataccca taaaggctta 420
gatatactca taaaggccgt gtctgccata tgaaacctga cttcaaactt ttatgggtcc 480
tcaaactaan cctg 494
```

<210> 1036

<211> 256

<212> DNA

<213> homo sapiens

<400> 1036

```
atcactggca tggcccttc caaacctga agagcccaag caatgtgggt gtaaaatttg 60
caaaataaga ttaaattcta actgcaatct gtaaacactg ctgtctcctt tcactctttc 120
tcctatatca cactttccca catgttggat ggccttggag tggtagccat aagcattttt 180
ggaattcaac taaaaactga aggatccttg aggacggcag tacctggcat acctacacag 240
tcagcgttca acaagt 256
```

<210> 1037

<211> 517

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (70)..(301)

<223> n=unknown

<400> 1037

```
cactgttgac acaactgtac catacatttg tagtgtaaga aagatgtttg taatcgggaa      60
aactgggatn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    300
ncacttggtg aacgctgact gtgtaggtat gccaggtact gccgtcctca aggatccttc    360
agtttttagt tgaattccaa aaatgcttat ggctaccact ccaaggccat ccaacatgtg    420
ggaaagtgtg atataggaga aagagtgaaa ggagacagca gtgttaacag attgcagtta    480
agatttaatc taatttgcaa atttacaacc acattgg                                517
```

<210> 1038

<211> 446

<212> DNA

<213> homo sapiens

<400> 1038

```
gatgtaaagg cctccagagg gatcccgatga cgggcaccgc ttgccactca tcttgcactc      60
gggacagcag ggtggagcca ggccgtctct ggcttctggc atgtccacag tgtaattagc    120
acttgggttt gaacatgttt gtgtcttcag ccatgtgcgc acagggcctc tgagaacccg    180
ccctgcctgc tgtgggacac cggttgcca ctgcctgggg cttgtgagaa agtgccagaa    240
gcacttaatg gggaaaccca agccacctc tattgtgttg ttttcacaga gcagagagaa    300
aggtctggag aaacctcaca gctttggagg ggtacagctg agcctgcttc ctgctctcgc    360
agtgcgtttc agctctttcg tgaccactgc tcctagtggg ggtgtctgct acagttatca    420
agtcctaaa agagtggatc taagac                                           446
```

<210> 1039

<211> 503

<212> DNA

<213> homo sapiens

<400> 1039

```
gcacctattc ttgatacttg cacaaagcag ttttccatca cagaagcctc ggaaacatct      60
cagtgagggg agtgcagggt ctctggcagg atggggggagc ttgaccaagg gagggagctg     120
gtccctgctt ccagcagcag agtttccactc caacatgtgc aacggcccaa accaaagagt     180
gactgtgtgc catctgggta gaggaaccca agaattctag aggcatacaga gtccctgatg     240
ctgacgtggg gatcatgttc ataagcaaac ttgttttctg cacactcctg ttttccattt     300
aactttcttt cagcagatga aaatcagact gcacatgcca agcaaccaga cactggcctg     360
cagccttggg atgccagatg aaaggggaacc ccaggacagg gggcaacatg caagcctgtc     420
tagatccact ctttagggac ttgataactg tagcagacac cccactagg agcagtggtc     480
acgaaagagc tgaaacgcac tgc                                              503
```

<210> 1040

<211> 296

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (226)..(291)

<223> n=unknown

<400> 1040

```
ataatagaaa aaactggact tcatgctgag tatagatgat acatataaaa gaagtcaaaa      60
tttgagaaaa aaatttaaaa agataagtag aaaaatgaag taactgtaga aaccatactt     120
actctttgat ctcaaagcc caaaaactga atgaaaatgt gaatttaggc cgaccaggta     180
gtcttgtaaa taaactaaaa gaaaaacagg gaaattgaga atatgntacc actataacca     240
caccaaacag ctagtttgaa cactgcagtc ttaatataaa gctttatagt natttt         296
```

<210> 1041  
 <211> 541  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (493)..(525)  
 <223> n=unknown

<400> 1041  
 agtcctgttc ccaagtccaa accacttttt aacttaaatac ttgagttttt ctgaattact 60  
 caatttgaag taattctctt tatatctgaa aaatgggtttt attgaaacgt ttgagattaa 120  
 aaaatatgca ttgcaagaag catatgacaa acattctgag agtacaaaat tagttgtaaa 180  
 aaataacata atttaccagt aaaccactc atatagaaat gtgcaaagcc ttttgatata 240  
 aaaagttttg tacaccaagc acctattttt ataacttagc ttcccatgga gagataatgg 300  
 cttgcgtgca ttttatgtat ccataacata catacaaggc tcggtctttt caatgggata 360  
 acagttcaca actcttcgat ttgaattgta atgaatctgg tgacaaggat ttttctctaa 420  
 tggattccaa agttagccag aacttttaat gtcaagatga aaaggggtgta aggtgttata 480  
 ttttcttcaa ttncctttacc acaggagggc taactccaca atttncccca tggttctcca 540  
 t 541

<210> 1042  
 <211> 160  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (105)..(146)  
 <223> n=unknown

<400> 1042  
 tccacgtcag gaacacccat gcccgcccaa cccctcctg agactgggcc gtggatcccc 60  
 ggatttgcc attcagagaa gttcaccttg gagggggtgt gcgananggg ggtttcctct 120  
 ggggccgaag aagggttagg agcctncctt ctgaagacct 160

<210> 1043

<211> 517

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (454)..(467)

<223> n=unknown

<400> 1043  
 ggcctcaggc tcgctgtcgc gccattttgc cgggggttga atgtgaggcg gacggcgcca 60  
 ggagcgggta gtgccagcta cggtcgcg cggtccggttcc ctctccggtt tctgtatccc 120  
 cagagatcc tatagcaatg gaactcagcg atgcaaactt gcaaacta acagaatatt 180  
 taaagaaaac acttgatcct gatcctgcc tccgacgtcc agctgagaaa tttcttgaat 240  
 ctgttgaagg aaatcagaat tatccactgt tgcttttgac attactggag aagtcccagg 300  
 ataatgttat caaagtatgt gcttcagtaa cattcaaaaa ctatattaaa aggaactgga 360  
 gaattgttga agatgaacca aacaaaattt gtgaagccga tcgagtggcc attaaagcca 420  
 acatagtgca cttgatgctt agcagcccag agcnaattca gaagcantta agtgatgcaa 480  
 ttagcattat tggcagagaa gattttccac agaaatg 517

<210> 1044

<211> 569

<212> DNA

<213> homo sapiens

<400> 1044

```

attcgtgaca agttcaaaag gagaacttcc tttgttttaa tgcagctgtg ctcagaagcc      60
tgtgatttcc taggaaacca tctgggttta gccattaga aaaatgcagt ttaaagcagt      120
gtcacactgg ctgcctgaag gtacccttgg agatactgga gcgcttctgc attcaggctg      180
gtgctcacca ttgatggaac ccttcctgga caggcggtag acaacttgtg aagtgactgt      240
gccaggtgaa ttttgggggtt attcaccatt tgacctacag gatcatgctc ttttttccca      300
gcaaatgcca actgtgagaa ggcagtctga taccctgggtg tatcttctat gtcaataaaa      360
tgttcctcat caggaatggg atcatcttcg ggtaactcaa aaagaccaat caaagactgt      420
aataatggag tccacagttt ggtatactca gtgtccatca ttgggggaca ttctgttagt      480
aatttgggta tgccaaccgc acagatcttt ttctctacat ttccagatac cttctgaatt      540
tcaggaataa taattttttc caaaccatt                                         569

```

<210> 1045

<211> 221

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (187)..(195)

<223> n=unknown

<400> 1045

```

ggagcaagga gcagaataca gacaggttgg ggagctcagc cctgggggtgc caggggatgg      60
gaagtgggag gactcaagga tgggggtcagg tttgaccga gagctagggg aacggctggc      120
atggagcaga ctggaagtac cgaggtggat ccccgggaga gggatatagga agggaagcag      180
caagcangag tgcangggag aaatgcaggg ttttctgtgt g                               221

```

<210> 1046

<211> 514

<212> DNA

<213> homo sapiens



<400> 1046  
ctccatcagc ggggtggcct ggggagcagc tgcattgggtg gcactgtggg gaggggtctcc 60  
cagctccctc aatggtgttc gggctgggtgc ggcagctggc ggcaccctgg acagaggtgg 120  
atatgagggt gatgggtggg gaaatgggag gcacccgaga tggggacagc agaataaaga 180  
cagcagcagt gctggggggc aggggggatga gcaaaggcag gcccaagacc ccagagccac 240  
tgcaccctgg cctcccacaa gccccctcgc agccgcccag ccacactcac tgtgcactca 300  
gccgtcgata cactgggtcga ttgggacagg gaagacgatg tggttttcag ggaggcccag 360  
agatttgagg aagcggatga agttctcctt tagttccgaa gtcagctcct tggttctccc 420  
gtagaggggtg atcttgaagt actccctgtt ttgagaaact ttcttgaaga acaccatagc 480  
atgctgggtg tagttgggtg tcaccactcg gacg 514

<210> 1047

<211> 209

<212> DNA

<213> homo sapiens

<400> 1047  
gaaattctga acaagtttca ggcatactgg ttcttctctt ctttgcaaca tatcaaaaag 60  
tataattca gacttagaaa ttatggatct cagacctctg ttggtttcag agaagagtat 120  
gcagagggta taagtgtgca tgtgtgtgta tgtatgtgta ggcattgatt tactgtgatg 180  
ttactaactg tagacacagt gatattctca 209

<210> 1048

<211> 201

<212> DNA

<213> homo sapiens

<400> 1048  
tcactgtgtc tacagttagt aacatcacag taaatacatg cctacacata catacacaca 60  
catgcacact tataccctct gcatactctt ctctgaaacc aacagaggtc tgagatccat 120  
aatttctaag tctgaatgta tactttttga tatgttgcaa agagaggaag aaccagtatg 180  
cctgaaactt gtccagaatt t 201

<210> 1049

<211> 405

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (389)..(389)

<223> n=unknown

<400> 1049

```
gtggtgcagg cagatgtagg gaagctccag ggatagcaaa gcccgaaggc tcctgtgtgt      60
gcctagtttt gaggagcaag gaggaagagt tattggaaac cggagacagc gagggtgtgt      120
cgaaggagcc ctggccagag ctgaaacttg gattgaggcc agcagccgtt tcacagtgc      180
ccctagagag ggagccccag ggaagagatc ggatgcctca gcctccctct ccctccctcc      240
tgtcttctgc tggggctccc tgttgctaaa accaccctgt agcagaggag gagcaagccc      300
ttgcactagt ccctgaggtc aatttggggt gcagagtcag acggaaaagg gaggaccagt      360
ggagggggac tggcacagtg gctgcgcant ttccttttcc cgtag.                      405
```

<210> 1050

<211> 331

<212> DNA

<213> homo sapiens

<400> 1050

```
ccttccctaa actcctagtt gaactctgac cttgtggctc tgatggagtg aagtctcaat      60
ccctggaatc actgctgtgg aaggggcttc agttcatccc ttcagcgaca tgggccacag      120
gaatgagagg cttaggagac cctccctaag aggcctggta aaaggcagaa gctggaaatg      180
gtgctgttca gcaggcctga gccgaacatg gcacatcagg ccctgcagcc agggcaggga      240
cccttcttgg aggccagggt cccgcacgca ttgtctcacc ccagccagtg tgtggtggag      300
cagaaaaaaa ccgaggcttc agtcaaacag a                                     331
```

<210> 1051  
 <211> 389  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (184)..(184)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (368)..(368)  
 <223> n=unknown

<400> 1051  
 agaggctttc caaacagtgc aagctgtgac ttagaagact gtttccaaag gctaaacaga 60  
 tagtggaggc tctcagaaac atcacgtgga aaataacttt aaaaaaaaaa tgggactaga 120  
 tgatctgtgc tccccctccc ttctggttgg ttggttccc tgacgagact gcagttttgc 180  
 gaantgttct tgagatctgt ttactggtat tgctgtgcgc tttctttggg gcttttattt 240  
 cccccctctgt tttctgagtt ttagagctct ctattacctg taacgtatat attgcccccg 300  
 gcaaccctgc ggccttccca cacacacacg gatgcgtatc ccaaactctaa aatccaaaat 360  
 cagaatgnat caactgtaaa aaattttat 389

<210> 1052  
 <211> 349  
 <212> DNA  
 <213> homo sapiens

<400> 1052  
 agatttgga tacgcacccg gtgtgtgtgt ggggagggcg caggggtggc gggggcaata 60  
 tatacgttac aggtaataga gagctctaaa actcagaaaa cagaggggga aataaaagcc 120

ccaaagaaag cgcacagcaa taccagtaaa cagatctcaa gaacagcttc gcaaaaactgc	180
agtctcgtca gggaacccaaa ccaaccagaa ggggagggga gcacagatca tctagtccca	240
tttttttttt aaagttatatt tccacgtgat gtttctgaga gcctccacta tctgttttagc	300
ctttggaaac agtcttctaa gtcacagctt gcactgtttg gaaagcctc	349

<210> 1053

<211> 601

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (89)..(374)

<223> n=unknown

<220>

<221> misc\_feature

<222> (538)..(538)

<223> n=unknown

<400> 1053

ccctgggccc agggctgtcc tgaaggaaag gacacaagcc tagctggctt cactacttga	60
tgattgtaga gccctagggc ctggaggggn nataggccag ataattatac aggcctnnnn	120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	360
nnnnnnnnnn nnnngtacc cataatgcag atacggctgt ggtgtccaca aacttagatc	420
ataacaacca agtccctttg aatacttga aagccttccc aagaaggatg ggtacaaaca	480
actccagatt gtgaagctac aataaattct taactcttca gtgcctagac acccatgnat	540
atccacaagc atcaaaacca tctggggaaa catggcttac caaatgaata aattgaccag	600
g	601

<210> 1054  
 <211> 454  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (5)..(93)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (194)..(194)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (324)..(441)  
 <223> n=unknown

<400> 1054  
 agctnccact gannagtctg ctgccagang tgttggagct ccatcatatg ttatttggtt 60  
 attttctggt actgctttta ggatcntttc ttnatccttg acctttggga gttttgttat 120  
 tacatgcctt gaggtaattt ccttttagtt aaatctgctt ggtgttctat aaccttcttg 180  
 tacttaaaact ttgntatctt ttgtttggga agttatctta ttatcccttt gaataaaactt 240  
 tccaccatta tctctctctc tctacctcct ttaaggccaa taattcttgg atttgccctt 300  
 ctgaagctat tttctagatc ttgnaggtgg gcttcattct tnttnattct ntgcctnnt 360  
 gtctcctctg actgngtatn ttcaaatagt ctgtcttcaa gctcactaat tcttncttcc 420  
 tgcntgaaca gttctgctac naacagactc tgac 454

<210> 1055  
 <211> 365  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (131)..(177)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (300)..(300)  
 <223> n=unknown

<400> 1055  
 tcaggcacaa ctttaacaac acttattgag tccttagcat gtgctatact gtgtgccaaa 60  
 ttatttgctt ttaatgtgct gtgaaatata tgtgcagtag atactaaaat tctgttttat 120  
 taacctaaac nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnggg 180  
 taggtccatc attctcacc aggcagtgtg actcccagag cttgtgacat tgatgtaaaa 240  
 ctctgacagg aataaaggat ttattgatat cattgggttct caaacttttt ttggtctcan 300  
 gggctcttta tactctaaaa aattattgag gatccccaga gagctttggt taaatgggta 360  
 taatt 365

<210> 1056  
 <211> 337  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature

<222> (59)..(122)

<223> n=unknown

<220>

<221> misc\_feature

<222> (280)..(323)

<223> n=unknown

<400> 1056

tgcgctagaa agtacttaat ataaaccagt ggctctcaaa atgtgggtcta cggattcant	60
ggggattcca gagtcctttt tgggaggggg ttntgtaagg cccctttttt tcctctattt	120
gngacttttg attgtcttca tatacctcca ccaaatgat ccgccacagc aatcaaagt	180
gtttaagtaa aattgcctta agacacatgt tgaatatctg taaaaatgta aaatgctact	240
cttctcagct tttttagaaa agtcatttta gaaatttgtn ttaatttcta ctggtangga	300
tgataatttn tnacccatat nnncaaaagc tctctgg	337

<210> 1057

<211> 431

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (8)..(8)

<223> n=unknown

<400> 1057

tctttganca gagcccagct ctgcagcgcc acttcatctt tttaaaccacc ctagagggtct	60
gtttgttggt gctgttggtcc tttattttga aagagttgca agagaagtta cagtccaggt	120
gaacttggag attgtgggat tgggtttgtt tctgttttgt tttgtttatc atttacctgt	180
agtgtctattg ctgttgatac tatcacctat accctgtttc tagtgagtgc tgaatacagt	240
atggtacaat gacagtaaca gccgcgtggt gctgccagga ctgcccttgg gcatatcagt	300

gacagcccaa atgtgggtgg aggaaacctg taatttcctt cttaacatgt gtttgaaata	360
ccaagtgaat aatactgttc tggaaaaaaa tgataaacta gtggaaatta aagaaattaa	420
gggttttata t	431

<210> 1058

<211> 425

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (343)..(415)

<223> n=unknown

<400> 1058	
ctgatgcaaa atagtgatca aaagaaatta gtttacaaaa agacttctaa aaatattttg	60
agagggtgggg cctgtctatt atataaaacc cttaatttct ttaatttcca ctagtttatc	120
atttttttcc agaacagtat tattcacttg gtatttcaaa cacatgttaa gaaggaaatt	180
acagggtttcc tccaccacaa tttgggctgt cactgatatg cccaagggca gtcctggcag	240
caccacgcgg ctgttactgt cattgtacca tactgtattc agcactcact agaaacaggg	300
tataggtgat agtatcaaca gcaatagcac tacaggtaaa tgntaaacaa aacaaaacag	360
aaacaaaacc aatcccacaa tctccaagtt cacctggact gtaacttctc ttgcnactct	420
ttcaa	425

<210> 1059

<211> 395

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5)..(180)



<223> n=unknown

<220>

<221> misc\_feature

<222> (320)..(394)

<223> n=unknown

<400> 1059

```
aagangcgcg aggcggaatt ggggtctgct ctaagctgca gcaagagaaa ctgtgtgtga 60
ggggaagang cctgtttcgc tgtcgggtct ctagttcttg cacgctcttt aagagtctgc 120
actggaggaa ctctgccat taccagctcc cttcttgag aanggagggg gaaacatacn 180
tttattcatg ccagtctgtt gcatgcaggc tttttggctt cctaccttgc aacaaaataa 240
ttgcaccaac tccttagtgc cgattccgcc cacagagagt cctggagcca cagtcttttt 300
tgctttgcat tgtaggagan ggactaagtg ctagagacta tgcgctttc ctgagctacc 360
gagagcgctc gtgaactgga atcaactgct tcang 395
```

<210> 1060

<211> 453

<212> DNA

<213> homo sapiens ,

<220>

<221> misc\_feature

<222> (295)..(445)

<223> n=unknown

<400> 1060

```
aggcaggcct gagctccaaa accttctgat tgcccaagcc ctcttgtct tgcttgatt 60
atctccacac aaatggagaa actggacaag gtggtcatgg aggtccctga aagctcaaag 120
actttctcat tccaggattc cccatgttca tatgccagca tggcatgggg gtgctctgta 180
gtcaagcagg gtcctttggg gggcttaggg atggagccag gaaatggctc tgggactcag 240
cgggtgtcca gagtctcatc agcagggttt ctttactttc actgagtggc tggtnccctgc 300
```

acactgagtt ttgcaggctt actctcacag agtgagcttc ctgcaggccc cccantgcaa	360
cccccttcct tccctggagct gtgtgctgan tggtnctga ccccgaggc cctctcccca	420
tgctgctgat ggtcagtttc tctgnaacgt cgt	453

<210> 1061

<211> 405

<212> DNA

<213> homo sapiens

<400> 1061

acttgataac agcagagtc ccaaaacttt tagaaataaa ataggacatt ggcttgattg	60
aaaagaggga ctttttaaaa attgttcttt cgtcagaagc cttttggatg acttacaata	120
gctctgatga agataccacc ccagcgtcag tccaataggt cagtgagttt caacaggcat	180
ccatccctcc catgaaggga ttctggtgat gggaagtctt tgtaatgaca ggaaagcatt	240
gaccctcatt gattgtcaac tttggtatta gccatgaaag acaggatgct cattgggtgt	300
tctgtagagt gaggaatgct gcctattccc tcccagaacg tctgaccag ggggtgtgtgt	360
tgaggagccc tgggggaaat ggaccaagtt ttccacaga gcagt	405

<210> 1062

<211> 521

<212> DNA

<213> homo sapiens

<400> 1062

gcaataaata aaaccagaca tattgacttc taaaaaaca aaccaaaaca aaaaaaatc	60
ccctaaacta tatacatcct acaggaatac aggcattatc aaatgtagaa atggtatcac	120
tctgaaagat ggggctatct acacaagtta caagaattgc gttgctgtct ttaagaagtc	180
tcctccttga ataactcata aactctaagg gagagagagt actggtgggg aagcggggtt	240
caaagaggag acatcctcca tctttattga tggacaagac agtctcaagg aaaaacatca	300
atatccaaac accgtattga gtcccttaac aaggctccac agatcagctg gctttcaaaa	360
agcctggaag ggtgctccac tcaggaactc ccaagagaaa ccatcttgct cctcagccag	420
gctgggactg gcagtgaggc catgctgagc cagtggcaaa cccgtgggct gtgggtttca	480
caagacaacc tggctctgtg ctgtcacacc cagccttcaa c	521

<210> 1063

<211> 532

<212> DNA

<213> homo sapiens

<400> 1063

```
aggagaacac gcaggcagca gagaccatgg ggcccatctc agccccttcc tgcagatggc      60
gcatcccctg gcaggggctc ctgctcacag attaccccag ggcctgcata cagcaatcga      120
gagacaatat accccaatgc atccctgctg atgcggaacg tcaccagaaa tgacacagga      180
tcctacaccc tacaagtcac aaagctaaat cttatgagtg aagaagtaac tggccagttc      240
agcgtacatc cggagactcc caagccctcc atctccagca acaactccaa ccccgaggag      300
gacaaggatg ctgtggcctt cacctgtgaa cctgagactc agaacacaac ctacctgtgg      360
tgggtaaatg gtcagagtct cccggtcagt cccaggctgc agtgtccaat ggcaacagga      420
ccctcactct actcagtgtc acaaggaatg acgtggaccc tatgaatgtg aaatacagac      480
ccagcgagtg caacttcagt gaccagtcac ctgaatgtct ctatgggcca ga      532
```

<210> 1064

<211> 361

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (21)..(52)

<223> n=unknown

<220>

<221> misc\_feature

<222> (198)..(356)

<223> n=unknown

<400> 1064  
ggaaacaaat gagcagaggt nttgaanaat cncntntncg aganagtggg gnacagggag 60  
catgcagacc agggaagaag agacctgcag gaattagtgc tgagaagcag gagtttattg 120  
ggaggaggag gagatccatt cccgggatac aggtctctct cccaagcatg gcggtcagcc 180  
ctgcaggaaa caggacanga ggnaaggcca tcatacntgc nagtcttctt gaaatgcaga 240  
nactacacca gagctactat atcanagcca ccctggccag tactccaatc atgatgctga 300  
cagtggctct agctgagagg ccaggagaac tttccttgta ctacagcatt cagagnctgt 360  
g 361

<210> 1065

<211> 384

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (382)..(382)

<223> n=unknown

<400> 1065  
gacagcttaa agaccgagct gtagaagcac agtcttgta cagtcttgga aatacatata 60  
ctttacttca agactatgaa aaggccattg attatcatct gaagcactta gcaattgctc 120  
aagagctgaa tgatagaatt ggtgaaggaa gagcatgttg gagcttagga aatgcataca 180  
cagcactagg aaatcatgat caagcaatgc attttgctga aaagcacttg gaaatttcaa 240  
gagaggtttg ggataaaaagt ggtgaactaa cagcagcact taatctctca gaccttcaaa 300  
tggttcttg tctgagctac agcacaaata actccataat gtctggaaat actgaatttg 360  
atagcagttg aatggtgtac gncc 384

<210> 1066

<211> 589

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (517)..(586)

<223> n=unknown

<400> 1066

```
ataactctct aatacaaaat aagcccttcc tgaatgagaa ttataacact accaatgttt      60
tcagtgggtat ctgagctgta tgcagaacga aaaaaatata cagacatact tgacatttta      120
caaggatgtc aaagaaatct tcatcagcct ctttggtgtc attagtcatc aggtggctaa      180
gtaccgactg gctgttttgt gttagacgaa gccctggcaa attactgaaa ctagccctct      240
ggtcattccag acggcgactc tgtgagctgg caagaagatc taaaaactca tccgtgttgg      300
gggataccac aggaacagat gatgttttta gcatcatttt agggggagtg gaagaagttg      360
ttgttgaagc tgtatggcag ttcttttctt gtaagcaaca tctctgatca tccatcctat      420
tgctttgaaa tcggcttaat aagtcaaaga acccttcac tccaatagta tctgcaactga      480
ttttcctctg agaatttgga attcggtggt caatagnatt actggcatct tggagaactt      540
agtggaggaa ttcgttttgt attttttccc cttcagtctg ttgacnaag      589
```

<210> 1067

<211> 477

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (7)..(7)

<223> n=unknown

<220>

<221> misc\_feature

<222> (166)..(180)

<223> n=unknown

<220>

<221> misc\_feature

<222> (374)..(469)

<223> n=unknown

<400> 1067

```
gacggangcc gggatacttg ggaaaggatc cgccggcctt gaactcccgc ctccgcccgc      60
cctaggcctc atggcggtcc gagcttcggt cgagaacaac tgtgagatcg gctgctttgc      120
caagctcacc aacacctact gtctggtagc gatcggaggc tcaganaact tctacaggan      180
acagaagaaa ttctggcaga tgtgctcaag gtggaagtct tcagacagac agtggccgac      240
caggtgctag taggaagcta ctgtgtcttc agcaatcagg ggagggtgg tgcatcccaa      300
gacttcaatt gaagaccagg atgagctgtc ctctcttctt caagtcccc ttgtggcggg      360
gactgtgaac cganggcagt gaggtgatgc tgctggggat ggtggtgaat gactggtgtg      420
cctnctgtgg cctggacaca accagcacag agctgtcagt ggtggagant gtcttca      477
```

<210> 1068

<211> 413

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (12)..(411)

<223> n=unknown

<400> 1068

```
accctcagcc ancagccaca gggcctgcna gccagcaca cagagcaggt ttttgcagta      60
atgatagatc ccggnataa gcacaggtnn aananggtcc ggtgcccagn ccctcagtnn      120
cantgagctc tctnccaact ccctncnagc atccggnaca gattgggcnng natntngaca      180
```

nggntngcca cagtccacng ccangngccc atggcncaac ttggaagggtg actcagggtga	240
ggctgtcaat gaggggaatcc cgcatnctgg tggcaatggg gctagggtgg gcttcattca	300
gcttgaagnc actctncacc actganagct ctgtggtggg tgtgtccagg ccacagaagg	360
cacancagtn attcacnacc ancccagcag ccatcacctc actgcctcgg ntc	413

<210> 1069

<211> 449

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (302)..(394)

<223> n=unknown

<400> 1069	
gaggcctcct atctactcct ctgccccagt cccctccttg cgtcagtcctc agtgagggat	60
aagcgcttgg cggaaggcgc agggaggtgt ttctctgctt caggagtgcc cgccggccct	120
tgcagctgct ggaagaccca tttatctcat gcttcttgtt ttctttgggg acctgcaggg	180
gaaggaagca gggtgacggt ttggtatccc cacctaagac cctccccctt cccctgaggc	240
cagccgtcag cccctggcag ggggtcttgg aagccagagg tttttgctca gggcagggaa	300
anggctgcag gattccccgg ggctgccgga agtcggtctc actgacatca tgggtgaccc	360
cagcatcgnc tggteccaca gatgtcggcc tctngtcgcc tgtgtcttct caacatcggt	420
ggcctgattc ttccccacca gaggacaga	449

<210> 1070

<211> 527

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (56)..(56)

<223> n=unknown

<220>

<221> misc\_feature

<222> (297)..(499)

<223> n=unknown

<400> 1070

```
taacttgagg gacagcccc aaggcgccag gtagccttca ggggcgggca gggtnngggg    60
aggtaggaga ctcggaaccgg cagccctggc tccagcttca tcatctgtgt ctccctctc    120
tgccaggct cttcgagggg atgcaggagg ctgggcacgg tgagctggca gggggccttg    180
tcttcgggtg cccagcaggt tgtcagctcc tgtttctgat ggactcacct gcaatgattc    240
cggcataacc gggacagctg cctgcacttg ccactgggta ggatgatgat gcctgtnatg    300
aacagcacag ctgcgaccaa cagccccgt ttccggaggg tgtgttcac atagnagaag    360
gggtcatcct catnnaaacc agatggnttg anggtctggg ggtctgtctg gacgtctgtg    420
cttggggatg gtctctnaaa gagcgtcgtg gtgtcatcag tgggatcagc tgctttggtg    480
ctcttgtgtg tctctgganc tgtcactaga ggcccatccg ttccttc    527
```

<210> 1071

<211> 368

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (25)..(25)

<223> n=unknown

<220>

<221> misc\_feature



<222> (283)..(360)

<223> n=unknown

<400> 1071

```
agaaagccac cacctgggag acctncccc aaagcccaca gaactggccc ccaagcccca 60
aattggagat ttgccgccta agccaggaga actgcccccc aaaccacagc tgggggacct 120
gccacccaaa cccaactct cagacttacc tcccaaacca cagatgaagg acctgcccc 180
caaaaccaca gctgggagac ctgctagcaa aatcccagac tggagatgtc tcacccaagg 240
ctcagcaacc ctctgaggtc aactgaagt cacaccatt ggntctattn cccaaatgtg 300
cagtccagag acgccatcca aaaaggaagc atctggagga ctcccaacga ccttcacggn 360
ttactctg 368
```

<210> 1072

<211> 377

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (106)..(370)

<223> n=unknown

<400> 1072

```
tttaaaaaat gtacaattcc acttatccat actattcctt tataaaaggc agatttcagg 60
taagcttcta aatgcatgcg taatgtagag gctaataatt tctggnagtc cttggntcct 120
gaaatttgaa cttcatatgn gttttaaact tttgtcaaaa tagtcatgaa agatatgnta 180
tttttgcata atgaggnaat atatcagggg cgggcactca tnagnacagta taaatccact 240
tgtctaaact tgcattgaggc tgtgtncatt gtaaaatgcc ataaagagnt ttgggncagt 300
gaatattttg ctgaaggaat aacacttaca tttaactgag cacttttctg taataaatac 360
caaagtangn ttttgga 377
```

<210> 1073

<211> 465  
 <212> DNA  
 <213> homo sapiens

<400> 1073  
 ctgggactga agagggacgg gtcccgcggc gagcgagctc ctgagcataa gctgtggcca 60  
 tgactactga agtaggtctt gtgtctgaag tgaagaagga ctctagccag ttaggaacag 120  
 atgcaaccaa ggaaaaacct aaagaagtag cagaaaatca gcagaatcag tcttccgatc 180  
 cagaggagga aaaagggttc cagccacctc ctgcagctga aagccaaagt agtctacgcc 240  
 gccagaagag agagaaggaa acatcggaga gcaggggtat ttctcggttc ataccgccat 300  
 ggcttaagaa gcaaaagtca tataccttag tagtggccaa agatggagga gataaaaaag 360  
 agcctacccc aagctgttgt tgaagaacag gtcttagata aagaggaacc ccttccagaa 420  
 gaacagagac aggctaaggg tgatgctgaa gaaatggctc agaag 465

<210> 1074  
 <211> 430  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (14)..(34)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (190)..(423)  
 <223> n=unknown

<400> 1074  
 ctccttactt actnancag taggntgnan cnnactttg ctactgagg gtttttcttc 60  
 cttgctcact gagggttttt cttccttgac ttcaacttta atctcttggt tcttctgagc 120

catttcttca gcatcacct tagcctgtct ctgttcttct ggaaggggtt cctctttatc	180
taagacctgn tcttcaacaa cagcttgggt aggctctttt ttatctctc catctttggc	240
cactactaag gnatatgact tttgcttcnn aagccatggc ggtatgaacc gagaaatacc	300
cctgctctcc gatgtttccn tctctctctg ctggcggcgt agactacttt ggctttcagn	360
tgcntgaggt ggctgggaac ctttttcctc ctctggatcg ggaagactgn ttctggctga	420
ncnttctgct	430

<210> 1075

<211> 452

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (397)..(419)

<223> n=unknown

<400> 1075

cagaggcatg ctctcttaca gactaagagt ttttaaggat tcaggggtggg agagtttacc	60
agaggcttgg actgcttctg tgtctcttta ggtgtgctta tctgggaggg agttgtgtgt	120
ctgtttccat acatcttcct gcagctgcag gcataccccc aggtctgctt ttagcttccc	180
tatcttagtg cacctgaagg gaaagaatgt gcttattaag gccactgtt atactggggc	240
ccaatgtatg aggggtgaagt ttggcaatta cccaagagac tttcccccca cctccctctg	300
tgctgagct gtctcatcta tgttttactg tctgctcttt ctgtctgctt gttgttagaa	360
gagaagtgat tttcttgaaa tgcattgaggc tggaaangga gctggcactt aaagtggcng	420
tgtttgccg agaggatggg gctcctgctc tg	452

<210> 1076

<211> 462

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (270)..(432)

<223> n=unknown

<400> 1076

```
cttcaataaaa gctttttttt tttttaaac ctcacaattt agttctgggc tctgtgcttg      60
ggctcttgaa attcggtggc agtggcctga atccccatgc ccactgtgac agagcaggag      120
caccatcctc tcggacaaac accgccactt taagtgccag ctccctttcc agcctcatgc      180
atttcaagaa aatcacttct cttctaacaa caagcagaca gaaagagcag acagtaaaac      240
atagatgaga cagctcaggc acagagggan gtggggggaa agtctcttgg gtaattgcca      300
nacttcaccc tcatacattg ggccccagta taacagtggg ccttaataag cacattcttt      360
cccttcaggt gnactaagat aggggaagcta aaagcagacc tgggggtatg cctgcagctg      420
cnggaagatg tntggaaaca gacacacaaa tccctcccag at                          462
```

<210> 1077

<211> 363

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (343)..(343)

<223> n=unknown

<400> 1077

```
ggcaggaagc agagataaga cttgaatttc agtttggtag acctccttct ttagcagccc      60
aacctgtagc aaatctagtt tagcctgcat ggcagggaga gggattctct tcccaccctc      120
accatttgca agtggcagga gctgagaatg ccagtacgag agtgtagcca aagtgagagg      180
ctgagagcaa aggagacatt tttttcagtt ttgagtcgag tatccagaca gaggcaaadc      240
attttgttta acttttttatt aaagtgtaac tatagaaaca catcaatgat ttttcacaag      300
tggagcacgt gcatacaatc gggcacccca gaagccccc gtnagattcc cttccagtta      360
```

act

363

<210> 1078

<211> 408

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (26)..(385)

<223> n=unknown

<400> 1078

```
attatacaac catgagaatg aaaatncatg tacaaataca tgcaacaaaa atctcacaaa      60
cataatattg gtgaaaagaa accagatacg aaaaaaaaaa nnnnnnnnnn nnnnnnnnnn      120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
nnnnnnnnac tggaaggga tctgacgggg ggcttctggg gtgccgattg tatgcacgtg      240
ctccacttgt gaaaaatcat tgatgtgttt ctatagttac actttaataa aaagttaaac      300
aaaatgattt gcctctgtct ggatactcga ctcanaactg aaaaaaatgt ctnctttgct      360
ctcagccnnc cactttgggt acacnctcgt actggcattc tcagctcc      408
```

<210> 1079

<211> 476

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (132)..(465)

<223> n=unknown

<400> 1079

```
ctgctcttcc acgtgacaga tggcagagga gagaggtctc catgctgttc ttctgcctga      60
```

agccacgcca gaaccaccaa agggaaccag aaggggaact ccgtcccat ctctcaggaa	120
ataaggccag anctagaacc ccccanntnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nctcttata	360
gtcctcaact gatcggatga ggnccactca cgttatgaag gataaactgt ttgttttact	420
tcaagtctac gggcttanat gttagttaca cagcgcncatc tagancagtg tttgtt	476

<210> 1080

<211> 342

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (138) .. (337)

<223> n=unknown

<400> 1080

actacagttt tatccctaaa gtttacataa gcaagagttc agagtaatcg accctgggtat	60
tttgattact taatttttaa tgggaagtaa atgtctcggg ccagcagtgt gccaaggat	120
cctgaaaagt agagcaanaa ttgtccctga ctccaggggga ggnnnnnntt ngnnnnntnt	180
gnnactnnnn nactnnagcc ttganntctt actggntcca ggggttgncg gcttctagga	240
agacagcncc acagctcana aggtttcttc tccagccagc actgtgtctg tgtctcacta	300
ggaatggccc atcgtgcgt ctctctcctgt ggcncnctgtg tc	342

<210> 1081

<211> 469

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (179)..(179)

<223> n=unknown

<400> 1081

```
gcatcgtcac ctcccgagac atcgactttc ttgctgagaa ggaccacacc accctcctca      60
gtgaggtgat gacgccaagg attgaactgg tgggtggctcc agcaggtgtg acgttgaaag    120
aggcaaata gaatcctgcag cgtacaagaa agggaagctg cctatcgta atgattgcna      180
tgagctggtg gccatcatcg cccgcaccga cctgaagaag aaccgagact accctctggc     240
ctccaaggat tcccagaagc agctgctctg tggggcagct gtgggcaccc gtgaggatga     300
caaataccgt ctggacctgc tcacccaggc gggcgctcgac gtcatagtct tggactcgtc     360
ctaagggaa tccgtgtatc agatcgccat ggtgcattac atcaaacaga agtaccacca     420
cctccaggtg attgggggga aacgtggtga cagcagccca gggccaaga                   469
```

<210> 1082

<211> 305

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (77)..(77)

<223> n=unknown

<220>

<221> misc\_feature

<222> (219)..(258)

<223> n=unknown

<400> 1082

```
tattccaagt atttaataca caatgacgca actgtgatcc caagtgtgca aagttaaagc      60
```

cttcgactgc agctgangag aagggaggaa tggttcacct ggggacggtg gtgagtcagg	120
aatgacaggc aggcggccat gaccagggca gtctcctacc catggccagg gacaggggag	180
cggcctgagg agcaggaccc aagggtagcc cagggccgng gaagggggca gagacctccc	240
cttggcctag gtcagganct cagaagtgcc acatggctga ggggcagcgg cccgggaagg	300
gccag	305

<210> 1083

<211> 304

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (39)..(267)

<223> n=unknown

<400> 1083

aagaaattta gcctgggtgc ctcagcaaca aagtctgcng ttcctaagag ccacattttg	60
gggaagtggg gtgacccaaa cttgnggaca taggttgatt gatcagagcc tcaggettac	120
aagcaagagc tcatgcagat ccacagagcc atgcncatcc tgtcttcttg accttctca	180
ggtggcacca cctgcgcccc atgganctnc tgnatcggtg tcatgtggag gtctgatgaa	240
tccttttaaaa cctaactgtg atgtcgnaaa tgtaactgtg ctactttata tctactgaag	300
ggca	304

<210> 1084

<211> 543

<212> DNA

<213> homo sapiens

<400> 1084

tgagaatgag agaaacatat agcactgaag tgctgtgttt ccactttatt aaatcatcac	60
agtaaatacag aattaaagag taaaagaggt taactggaga gtcgggtggc tgccatcagt	120
ggagatgtgt gctttctcgg tgtggctgcc tgggccgcgg tgtgtcctgg tgcacacacg	180



tctgcaaggt gttcccacca cctaggaagg aacctagatg tggagcatta ggaaaattaa	240
ataacaagag acagcaaaat aagaatcaaa tgacacgcta taacttaatt taccatattt	300
atcaaatttt ttccttattt acatgtacta aacattgtag acctgaaaac ataaggaaac	360
attcacttca tgtgtatgtc atatggacag actgagtgc actaaaacga tggttgtttc	420
atgttgaatt tccctcggat gcagacgctg cccttcagta gatataaagg tagcacagtt	480
acatttacga catcacagtt aggttttaaa ggattcatca gacctccaca tgacaccgat	540
aca	543

<210> 1085

<211> 288

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (24)..(24)

<223> n=unknown

<400> 1085

gagaatctct gtgtaaacc tggntcataa tcagtctcct ttttatcagt tttgggtgtgg	60
agaaagaggc cagttttaat aggttttcaa gagtctaggg tcagaaaagc aatagtcact	120
aagctaggtg acctgaaagc tttaattttc atgacctgga tatgtggtct attgtatatc	180
tttttctgaa atggttgtat tcatttaggt tagatcaatc agcagatatt ggggtccggta	240
taccaggtat tatttggggg aagctaacaa gtacaactca tgtttgca	288

<210> 1086

<211> 229

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45)..(212)

<223> n=unknown

<400> 1086

```
aataacaagt ttaatatga aaatctgaaa aaggcaggaa gatangaaga agaaaaatat 60
caaccatagt cctaccacct aaagaacact cactgncant gtggccatac tcattcttta 120
anccttaatt taggtcccat ttctggccgt ggtgncnttc cacgaattcc tccccagat 180
cttcangnt catatctgta ccactcantt gnacatatca tacactttt 229
```

<210> 1087

<211> 498

<212> DNA

<213> homo sapiens

<400> 1087

```
ggaaaacttg gtgtgcctcc tgggtgcaca gaactggatc ctctgcatac cccagcttct 60
ccacatgcca ctgctagggg taccagctg ctgccactcc tgctggaggg tgaactgggg 120
accctgcacc ctccgggaag ccatggagtc tgctggaggg accatatcag cctgcggggac 180
taggggtgggg agcaaacagg ccagcgggtg aggtctggac agttcaagtg tgatgcagct 240
gtggcaagga gaaatccttc cgcctctggg cctcaggctg cctgtccata aaatggggac 300
atggccagct gacggacaac tgagtctccg gccacctac cactgccact ccaggatccc 360
ccaaagtgtg cagaggggctc agcagagaac agtatgggac cccctccacc aggctggaa 420
cacctccagc cacaagaag ccaaagggtca gtcctctgc tcccagcaa acggtgcctc 480
ccaggcattc ttcagtgc 498
```

<210> 1088

<211> 426

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (16)..(73)

<223> n=unknown

<220>

<221> misc\_feature

<222> (308)..(413)

<223> n=unknown

<400> 1088

```
gtacagcgac accagnctgt gcaaagccca gtgtcgtctt cactgagcac attccccagg      60
acgcctggtg canccctcct ctgccccagg cccaactag ccacccctgt gcccaactagc     120
aggccctgtg ccttcacagg gatgaagccc tggcactgag aatgcctggg aggcaccgtt     180
tgctggggag cagagggact gacctttggc ttctttgtgg ctggaggtgt tccaggcctg     240
gtgagggggg cccatactgt tctctgctga gccctctgca cactttgggg gatcctggct     300
ggcagtnta ggtggggccg agactcagtt gtccgtcagc tggccatgtc cccattttat     360
ggacaggcag cctnaggccc agaggcggn gggatttctc cttgccacag ctngcatcaa     420
cacttg                                           426
```

<210> 1089

<211> 209

<212> DNA

<213> homo sapiens

<400> 1089

```
actaggcctg acctccccct cccctttcct gcccgaagc agatccacat caccgaagct      60
ccctagaggg gcaaaagatg gagtgagcca caggaagttt ggggcgtggt gagttggaat     120
gatacgtcca tttctctatg aaatatttgc tactagactg ttcatttctc tctgacatgt     180
ttgttgaatg aataaataat ttgaaactt                                           209
```

<210> 1090

<211> 69

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (3)..(49)

<223> n=unknown

<400> 1090

ganagaaatg aacagtctag tagcaaatat ttcatagaga aatggacgna tcattccaac 60

tcaccacgc 69

<210> 1091

<211> 357

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (188)..(188)

<223> n=unknown

<400> 1091

gtgataagga tcatgccctc cacgatgggtg aatgaaagt atttgatgtc ggcttgggtgt 60

gtggaattgt gggcccacac atttctcttc ctctctcaga tcctgggtgta tagcctggaa 120

gcaggacgcc gcctcttgaa gctgggtaac gttctccgtg acttcacgtg tgtcaacctc 180

agcgacancc ctcccaacct catgggtcagt ggcaacatgg acgggagggt gaggatccac 240

gacctccgca gtggtaacat cgccctgtcg ctctccgcc atcagctcag ggtctctgct 300

gtgcagatgg atgactggaa gatcgtcagt ggaggcgagg aagcctgggtg tccgtgt 357

<210> 1092

<211> 310

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (92)..(307)

<223> n=unknown

<400> 1092

```
taaattcagg agtgtctgga attgtcttat ttgcttttt gttgatttct cactattctg      60
cattggagtc aattcctaga aaagcagggc cntgcctgan ggtatatccc ataggggtgca    120
gtgtcttggg gttgggggat totataattt ggcctgtatg gtgtnantct ttgtgcatcn    180
gagctgntct ttgtggcctt cgtacagggt aggttntttg tgnatcgtct atgngtattt    240
ganattccat acccanntac tggatccagc ttgttagcga tactaagtaa atcctccaga    300
tcnttanatt                                     310
```

<210> 1093

<211> 424

<212> DNA

<213> homo sapiens

<400> 1093

```
gtgcccctgg tctgtctgga gccacagggtg accggggcga actggggctg ctggctctgc      60
tggtcctgct ggtcctcggg gaagccctgg tgaacgtggt gaggtcggtc ctgctggccc    120
caatggattt gctggctctg ctggtgctgc tggtaacct ggtgctaaag gagaaagagg    180
agccaaaggg cctaagggtg aaaacgggtg tgttggtccc acaggccccg ttggagctgc    240
tggcccagct ggtccaaatg gtcccccccg tctgtctgga agtcgtggtg atggaggccc    300
ccctggtatg actggtttcc ctggtgcttc tggacggact ggtccccag gacctctgg     360
tatttctggc cctcctggtc cccctgggtc tgctgggaaa gaagggttcg tggtcctcgt    420
ggtg                                     424
```

<210> 1094

<211> 435

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (58)..(62)

<223> n=unknown

<400> 1094

```
aaaggttgac attttccata acaggtgtaa gagtggtgaa aaaaaaattc aaattnng      60
nnggagcggg ggaaggagtt aatgaaactg tattgcacaa tgctctgac aatccttctt    120
tttctctttt gccacaatt taagcaagta gatgtgcaga agaaatggaa ggattcagct    180
ttcagttaaa aaagaagaag aagaaatggc aaagagaaag ttttttcaa tttctttctt    240
ttttaattta gattgagttc atttatttga aacagactgg gccaatgtcc acaaagaatt    300
cctggtcagc accaccgatg tccaaagggt caatatcaag gaagggcagg cgtgatggct    360
tatttgtttt gtattcaatg attgtctttc cccattcatt tgtcttttta gagcagccat    420
ctacaagaac agtgtt                                     435
```

<210> 1095

<211> 410

<212> DNA

<213> homo sapiens

<400> 1095

```
aaacaacagg caaacaatgg aggatttaat ttcactgtgg cagtatgac acctcacggc      60
tacctatctt ctgcttctag ccaagaaggc tcggggaaaa ccagttcggt taaggctttc    120
ttctttctcc tgtggacaag ccagtgtac cccattcaca gacatcaagt caaataattg    180
gagtctggaa gatgtgaccg caagtataaa aaattatgtg gcgggattaa tagactatga    240
ttggtgtgaa gatgatttat caacagggtc tgctactccc cgaacatcac agtttaccaa    300
gtactggaca gaatcaaagtg ggggtggaatc taaatcatta actccagcct tatgcagaac    360
acctgcaaat aaattaaaga acaaagaaaa tgtatatact cctaagtctg                410
```

<210> 1096  
 <211> 527  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (479)..(482)  
 <223> n=unknown

<400> 1096  
 tgggtgctctc cttaagacct tcccgcctcga tgtcggcagc attgtagggg acagcgggtca 60  
 gaagaaggac actgaaatct tctatcagtt tacttccttt ttatctccag gtatcattta 120  
 tcactgtgat cttaccaaag aggagctgga gccaagagtt ttccgagagg tgaccgtaaa 180  
 aggaattgat gcttctgatt accagacagt ccagctcccc aagggtactg agtcttccag 240  
 aaactgaatc actgggttgat tgatgatgac gaagaatgtc tctgttcctt tgcaatgaga 300  
 ggtcaccaat agggcaccag gtgtttatca aggccctccc cacctggagg gctggaccac 360  
 acaggccaca gattaggaat cagaacattg tttgtgaagg aagatgagaa taaagagcgc 420  
 tggatgttcc ccacaatggt tctgtgaaac tagggcatta ttatagcttg gtgaattanc 480  
 cntcaattgt ctagaaatgg tctagatgat aggtacatct agttctg 527

<210> 1097  
 <211> 370  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (160)..(367)  
 <223> n=unknown

<400> 1097  
acgttgattg aaaaaaatag attatatctt attgccagat cttgaatata ccttatctct 60  
taataatccc acaggaatcc taaaaaacag atactatcaa tctctacttt acagttgaaa 120  
aaactgtggc agaaaggtta aatgacttgc cccacgtggn ttccagggct gtctgacaga 180  
gcttcttgac cctgtatgtc ttctcggccc ngatatgtcta tcaagaatgt tgtactttta 240  
aatgcnattt acatagatga agattctgca aactttttct taaagggcat atattaaata 300  
tttcagggct tctggggaca tagagtttct gttgcnacca ctctaagtgg cnaagcaacc 360  
acaggcnata 370

<210> 1098

<211> 333

<212> DNA

<213> homo sapiens

<400> 1098  
ggcggcgtgg agcagcgcgc gcaacgaggc caggggaagg tgggcgcagg tgaggggccc 60  
aggtgtgcgc aggacttttag ccggttgaga aggatcaagc aggcatattgg agcacagggtg 120  
tctagaaact tttaaggggc cggttcaaga aggaaaagtt cccttctgct gtgaaatata 180  
tggcaagagg ctggagggcc caatggctgc aaaatcgcaa cccaacattc ccaaagccaa 240  
gagtctagat ggcgtcacca atgacagaac cgcattctcaa gggcatgggg ccgtgctggg 300  
aagtggactg gttttcactg gcgagcgtca tct 333

<210> 1099

<211> 327

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (286) .. (313)

<223> n=unknown

<400> 1099



cttgggtgcca aaatctgggc caggggggact ccttcgtgag accggccccc tgtcctggcc	60
ctcattccgt gaagagatcc acctgcgacc tcgggtcctc agaccagccc aaggaaacatc	120
tcaccaattt caaatcggat ctctcggct tagtggctga agactgatgc tgcccgatcg	180
cctcagaagc cccttggacc atcacagtgc cgagcttcgg gtaatcttac ggtggaggat	240
tcccagccat atgaagacac cctagctgga cgatcagtcc ttgtcnaaag tctgaccct	300
caaaactctac agnctcaatg gaccaga	327

<210> 1100

<211> 451

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (210)..(431)

<223> n=unknown

<400> 1100	
aggaataatg ttttatgtac caaagccttt tgtcccccatt ttccatcata cgaatagtat	60
tccctgttgc taagccgatg atacattacc cttttcccat aggtgtgagt ggcgggtctga	120
atggagaagt tcaatagttc tgattgcaga tcctatgcag aagagataat aaggaaaata	180
atctttgtct cctggattaa gctgaggctn gcaaagagtg aaatgtccca agccctctaa	240
caacaaacaa catactttgt ggtgtcctgg atgctggtct ggntgccaaa tatgtggaac	300
tgggccccat atgcgtggta ctgttggtcc atttcatgag agtangcttg angacaccat	360
gggcaangat ctgatggttg ccagcctaag cgttttagac ttttgacca gagatTTTTg	420
gtttgggtgg nggaaaaaat ttagaggata g	451

<210> 1101

<211> 392

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (304)..(373)

<223> n=unknown

<400> 1101

```
gtggatctgg ggcctctgat actttgcttc ctaaaacagc cccagtttt cggcttgccc      60
tatgagatga tgttcattgtg cttccttgaa accaggtgga aagaaagggg aagaattaat    120
tttctcattc tgttgctggt gaacgtaatg taatcttaat actgtagcct tcctagaagc     180
ccttcctctt ttttcattgt gtaaagtcaa atatttgata tccttaacat aaatttttaa      240
attaagggtca taggaagcaa atgtctatct ccaaagcaat gagcttggtg tgactgtgat     300
ttantcttct atagtatttt ttcctcattt aattgagagg agaaaataat actcctttgc     360
aatatcctta ggntctcccc tttccccctg gt                                     392
```

<210> 1102

<211> 240

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (149)..(239)

<223> n=unknown

<400> 1102

```
cattttatac aattttcaac atttatactt tcaaacaaaa tgagcaaaaa atacactaag      60
tgctaaaaaa atcaaaacag aagtaatata attttaattt caatatttta aaatacagaa     120
attggaaaga atactaaata caactttana caagtcactt gtccctccct atnataatca     180
ntgtaagcta ctnanagggt tacnaatttg aagngaggca ganacggngt aaatacngng     240
```

<210> 1103

<211> 493

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (388)..(476)

<223> n=unknown

<400> 1103

```
cagccccagg aaatgcccag tttggccagg gctcaggacc cattgtcctg gatgatgtgc      60
gctgctcagg acacgagtct tacctgtgga gctgccccca caatggctgg ctctcccaca     120
actgtggcca tcatgaagat gctgggtgtca tctgctcagc tgctcagtcc cagtcaacgc     180
ccaggccaga tacttggctg accaccaact taccggcatt gacagtagga tctgaatcca     240
gtttggctct gaggctggtg aatggagggtg acaggtgtcg aggccgagtg gaggtcctgt     300
atcgaggctc ctggggaacc gtgtgtgatg acagctggga caccaatgat gccaatgtgg     360
tctgcaggca gctgggctgt ggctgggnca tgcgggcccc aggaaatgcc cggtttggcc     420
agggctcagg acccattgtc ctggatgatg tgcgctgctc agggaatgag tncctanctgt     480
ggagtgcgcc cac                                                    493
```

<210> 1104

<211> 442

<212> DNA

<213> homo sapiens

<400> 1104

```
acagtgctaa gaagtaagta ttgacathtt cattttgcag atgagaagca tggattctgg      60
gacgtcaggt ctatgggcca tccaggtcag aactctcttg acctcaccct gcaacgggtc     120
ctccaaggac catgagcctt gggggaggcg ggaaccaggt ctgattcaac tccgtatgac     180
caggtgcagc acaatgtagg gctcaatctg agttggaata tgacaccaag aggaacatcc     240
caagtccccg agtcaggggt ctgcgccccg gtggacagtg ggggtctgaga gcgaccacct     300
accgaggctc ctctttctcg cgtggggggg tctgcagctg gatgggaccc aggaacgaggt     360
ccaccttttc ctggtaggag cccacatccc tcttcgacct caacacacag cctcggttagc     420
```

agcgggaaga ggggtcatat gc

442

<210> 1105

<211> 574

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (549)..(560)

<223> n=unknown

<400> 1105

aagattacaa gactgggctt ggtggcctga agacaggggt gacttgcctt tgagaaaaga	60
agggctgcaa tgccaccaga gaacgtgatg tcagacacca tctgtagtga gcagcgcacc	120
agatgtagcg tgctacagtc agctttagct ctcaagagtc gtatgtaact gtcccagact	180
cctctgtcag tttcagcaac tacaagggat accctgcgaa agtaccatga gaaatatcag	240
agtaaaactt tctagaacag tacaagggtta aagaggtgag gtgacgggaa atacacagca	300
tagctttgaa ataatgacaa ccaaggacat gaccattaga acagcatgtg cagatcttaa	360
tcacccagtc tcctaggcaa cttgttcacc aggtacgcaa gggccgaata gttgagaatg	420
gacattttta cctactcttc ctagccccct atccccagta acagtgatcc ttttcttatt	480
gtgattttatt tcctaattct tgctgagttg actttccctt gtaggaaaag aaaaatattc	540
aaatagaanc caccttttan ttaagtatga agca	574

<210> 1106

<211> 431

<212> DNA

<213> homo sapiens

<400> 1106

atgcatacaa gcacaggcaa aaacaagggt cagtaagttg ccaactgaaa ccatgaaatg	60
gggataatta gttaactcca acaatgtgag ttgttttatg tgtatatcag atgacaatat	120
tttctgaaaa aatacccata attcactctc tataaataaa gctgtaattc ttggctataa	180

gacagcagac cttggtgtga gtatagtcac agaattaatc atcctttgtg catacaactc	240
tttagcaaag cttatcaatt taagcagtct actttggctc agattctacc agcttacagc	300
tcagatcagt atctgatgct ttattttaatt cctgctcagt atatgctaata ggagacactt	360
tggaatcatt ctacaccatt gaaagataat tcatttttta aaaagtaaca gtgcttcata	420
cttaaataaaa a	431

<210> 1107

<211> 441

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (432)..(432)

<223> n=unknown

<400> 1107

gacagttcct ggactgattt cttcaaccca atctcacacc ccatgggacg aggtcatcaa	60
gcaggaagaa ggatggatat ggactccagt catagtacaa cgcttcagcc tactgcaaata	120
ccaaacacag gtttgggtgga agatttggac aggacaggac ctctttcaat gacaacgcag	180
cagagtaatt ctacagagctt ctctacatca catgaaggct tggaagaaga taaagaccat	240
ccaacaactt ctactctgac atcaagcaat aggaatgatg tcacaggtgg aagaagagac	300
ccaaatcatt ctgaaggctc aactacttta ctggaagggtt atacctctca ttaccacac	360
acgaaggaaa gcaggacctt catcccagtg acctcagcta agactgggtc ctttggagtt	420
actgcagtta cngttggaga t	441

<210> 1108

<211> 420

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (398)..(398)

<223> n=unknown

<400> 1108

aacaatcagt agcacattgc atctgttaag tgtcccagct ccctgtaatg gttatgtttc	60
caacggttgt ttctttccaa gataatggtg taggtgttac accccaatct tcatgtccac	120
attctgcagg ttccttgtct catcagctgt cataaactgg tctggagttt ctgacgactc	180
cttgttcacc aaatgcacca tttcctgaga cttgctggcc tctccgttga gtccacttgg	240
ctttctgtcc tccacagctc cattgccact gttgatcact agctttttct tctgccaca	300
ccttcttcga ctgttgactg caatgcaaac tgcaagaatc aaagccaaag gccaaagagg	360
atgccaaagat gatcagccat tctgggaatt tggggtnct tataggccaa gaggttgtgt	420

<210> 1109

<211> 496

<212> DNA

<213> homo sapiens

<400> 1109

aagaaaacat gtcaggacac aaatgcagtt atccctggga cttacaggat cgatatgctc	60
aagataagtc agttgtaaat aagatgcaac agaaatattg ggagacgaag caggccttta	120
ttaaagccac aggaagaag gaagatgaac atgttggtgc ctctgacgcg gacctggatg	180
ccaagctaga gctgtttcat tcaattcaga gaacctgtct ggacttatcg aaagcaattg	240
tactctatca aaagaggata tgtttcttgt ctcaagaaga aaacgaactg ggaaaatttc	300
ttcgatccca aggtttccaa gataaaacca gagcaggaaa gatgatgcaa gcgacaggaa	360
aggccctctg cttttcttcc cagcaaaggt tggccttacg aaatcctttg tgtcgatttc	420
accaagaagt ggagactttt cggcatcggg gccatctcag atacttggct gacggtgaac	480
cgcattggga cagtgc	496

<210> 1110

<211> 538

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (428)..(504)

<223> n=unknown

<400> 1110

ttaaaatggc acataattat taaaacagca tactgatcac tttatacttc tgctagcccc	60
caggggagct gctgggggcg gcatgtgagt gccctcccga agtacagat ttcattgcatt	120
gagcaattcg tgttctttat cggttttccc aacagcatca ggatttgaga gtgggtcgag	180
gtcagcgaag aggtgaacc aggcagtcag gtctgaggca gccttagcag gttctttag	240
cgaggcctgt aagtctttca tattttggtc taaaagctgc gaaggaagga aacctgagcc	300
tgtctgggcc ttgggggtctg gctctcccag ggccatagtg ggcactggct ccttcacttg	360
gccgtctcca aacacagcgg cccactcttt gctgaactcg ccctcttcca aggaggaagc	420
attgaagntc tcaactcaaca gcagcaggtc atctttgtca gcacttcagg ttccgggggn	480
cctgccactn gtcccaagca agcngctttc tcagattcat gtccctaatag gttcatcc	538

<210> 1111

<211> 461

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (130)..(130)

<223> n=unknown

<220>

<221> misc\_feature

<222> (422) .. (422)

<223> n=unknown

<400> 1111

```
gcttctatga ccaaaatgag ttgtaaattc tctggtgcaa gataaaaggt cttgggaaaa      60
caaaacaaaa caaaacaaac ctcccttccc cagcaggctg ctagcttgct ttctgcattt      120
tcaaaatgan aattttacaat ggaaggacaa gaatgtcata ttctcaagga aaaaagggtat      180
atcacatgtc tcatttctct caaatattcc atttgcagac agaccgtcat attctaatag      240
ctcatgaaat ttgggcagca gggaggaaag tccccagaaa ttaaaaaatt taaaactctt      300
atgtcaagat gttgatttga agctgttata agattaggat tccagattgt aaaaagattc      360
ccaaaatgat tctggacact agattttttt gtttggggag gttggcttga acataaatgg      420
anaatatcct gttattttct tagggtactt gggtagtaaa t                          461
```

<210> 1112

<211> 298

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (13) .. (13)

<223> n=unknown

<220>

<221> misc\_feature

<222> (145) .. (295)

<223> n=unknown

<400> 1112

```
ttatgtacaa aanactttga gatatcaggc accattaaac cacatttccc cccttataaa      60
tgcaactgtt caagtacact gggaacagtt ttaaggtaga cctgcagtac aataggagaa      120
gcatgagtgg ataatctaaa cacangatca taacagtgat acgctgcaac acctctgtga      180
```



nttccattan ccaagttctg tcattaaaac atagnaaact actgctcctc aaaatanaag 240  
 ttttaggaga caaaaatccc tncgtagtggt actgttttcc nagcagagct cctantgt 298

<210> 1113

<211> 324

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (41)..(41)

<223> n=unknown

<220>

<221> misc\_feature

<222> (240)..(240)

<223> n=unknown

<400> 1113  
 tgccgttggt ctgggtacta cagcagaagg gtatgcgga ngagcacccc agtctgagat 60  
 ggctcctgcc ggtgtgagcc tgagggccac catcctctgc ctctggcct gggctggcct 120  
 ggctgcaggt gaccgggtgt acatacaccc cttccacctc gtcatccaca atgagagtac 180  
 ctgtgagcag ctggcaaagg ccaatgccgg gaagcccaa gacccacct tcatacctgn 240  
 tccaattcag gccaaagacat cccctgtgga tgaaaaggcc ctacaggacc agctggtgct 300  
 agtcgctgca aaacttgaca ccga 324

<210> 1114

<211> 510

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (10)..(497)

<223> n=unknown

<400> 1114

```
aaataaccan ctatgggtcc gcattcaaac agaanttcag gtgcttgcat cnntcangta      60
ttnttcaaan atcacaagca tctgtggaaa aaactaaggt attacagnca ctacacggan      120
gtcatnttct tacattcang ncactaanta cnnaccgaag gcaatgcaaa aatgtntact      180
ttaattttan nncccaattt ttntnctcaa cttgaaaagg gancactttt ttgnttcacn      240
aacaagctgg tcggttggan ttcttttttg aacagtagtc ccgcgctaaa cactggttct      300
tgcctcncca cnccattct ctaaaatnnn ccagcnaac tgggaggtgc atttntgceg      360
cngcaggctt ctactgntca ctccatgcag cacacttana ccaaggagaa acggctgcnt      420
tncagctcaa agtcgnctca ttagaagana aggtgggnga ctgggggtga cacatcgctg      480
attcgtcceg ggttgtnatc tgctgtggct                                     510
```

<210> 1115

<211> 397

<212> DNA

<213> homo sapiens

<400> 1115

```
ctcagcacct ggatactctt cagagaactg caaacaaga aagtggaggt ggatatgagc      60
ccccacttac aaatgtcttc acgatgcagt ggtttctgac tctctttgcc acatgcctcc      120
ctaatacagac cgttttaaag atctgggatt cagtcttctt tgaaggttca gaaatcatcc      180
taagggtgtc gctggctatc tgggcaaaat taggagagca gatagaatgt tgtgaaacag      240
cagatgaatt ctacagcacc atggggcgcc ttaccagga gatgctagag aatgatcttc      300
tgcaaagcca tgaactcatg cagactgttt attccatggc tccgttcctt tccccacaat      360
tggcagagtt gagggaaaaa tacacctaca acattac                                     397
```

<210> 1116

<211> 373

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (348)..(348)

<223> n=unknown

<400> 1116  
cgtcagttag caagtagctg ggaaaacagc cctgttctaa ctctattat aaaacttcca 60  
gttcccattt tttatgggct gttgctcatc cctgaaccta ttcattttca ctggacaaat 120  
aaaactcttt tagagccatt cagctgcaac ccttatacta ctgtgaaaag gtgagtccag 180  
atacaaagtt tcggggagac atcatcgttt tttagtgcc a ctgtttccac cgccggggtt 240  
gctgaagctc ctactcattt gaggaaagtg cacagttggg gttctttctg tagggccata 300  
taatcccaag ttcttggcag tagcagattt ccgcagggtg tgacgctngg aaaagggcta 360  
aagatggggt ttt 373

<210> 1117

<211> 417

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (323)..(373)

<223> n=unknown

<400> 1117  
caaacctgtg atctagtcct tgtcttgtaa ttgtggatta atgtcaatgt taatcagccc 60  
ctcaaaggga gagaaaagct ggaccttttc ccttgctgta ccatattcag catttgattt 120  
ccatgggccc caccatttat gtgtagaatt tgaaatgggt gtcacctctc tctgaggaca 180  
gagcttgaag cctccacacc agctgctgct ggagattcaa agcccaactg tgggtccgag 240  
agggaagctg gctgggctgg ctgaagaatg aagaccactg gactctccgt taatctctaa 300

ggggtctgct cccccaggaa cgnttctgaa caatggggac tttgttggtta gccattggta	360
gatgtccttt tcnaatttat aagtgactta aactttcccc tggctgttaa gaagttt	417

<210> 1118

<211> 594

<212> DNA

<213> homo sapiens

<400> 1118

cccgggggttg tgggcacctt gctgctgcac atataaggcg ggaggttggt gccaaactctt	60
cagagcccca cgaaggacca gaacaagaca gagtgcctcc tgccgatcca aacatgagcc	120
gcctgcccgt cctgctcctg ctccaactcc tgggccgccc cggactccaa gctcccatga	180
cccagacaac gtccttgaag acaagctggg ttaactgctc taacatgac gatgaaatta	240
taacacactt aaagcagcca cctttgcctt tgctggactt caacaacctc aatggggaag	300
accaagacat tctgatggaa aataacctc gaaggccaaa cctggaggca ttcaacaggg	360
ctgtcaagag ttacagaac gcatcagcaa ttgagagcat tcttaaaaat ctctgccat	420
gtctgccct ggccacggcc gcacccacgc gacatccaat ccatatcaag gacggtgact	480
ggaatgaatt ccggaggaaa ctgacgttct atctgaaaac ccttgagaat gcgcaggctc	540
aacagacgac tttgagcctc gcgatctttt gagtccaacg tccagttcgt tctc	594

<210> 1119

<211> 585

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (104)..(139)

<223> n=unknown

<400> 1119

ctcgaggtac aaatgaacat gctccccacc ccactctgag ttttttgcag aagcagcagg	60
acatggctcc tctgctaaaa taaatacagt tcacactcca ggcnnnnnnnn nnnnnnnnnn	120

```

nnnnnnnnnnn nnnnnnnnnng tctcaatggg ataaaaatga gaacacaacc gcacaaggcc 180
aaatgggagc tgcacatttc agaaattaga taattaacaa ttcattctgat gccgcaggaa 240
aaggtgaaat gcttctgggc ctggaatgtg tgagagatga cccagagggtt tcagaagttc 300
tgctgttttt gatgtcccgga ggctctgtgg tgagaaggcc cagagaacga gctggacggtt 360
ggactcaaaa gatcgcgagg ctcaaagtcg tctgttgagc ctgcgcattc tcaagggttt 420
tcagatagaa cgtcagtttc ctccggaatt cattccagtc accgtccttg atatggattg 480
gatgtcgcgt ggggtgcggcc gtggccaggg gcagacatgg caggagattt ttaagaatgc 540
tctcaattgc tgatgcgttc tgtaaactct tgacagccct gttga 585

```

<210> 1120

<211> 306

<212> DNA

<213> homo sapiens

<400> 1120

```

cttgtaccag gcgagctctc gcctttgcta gcaaaagagc tctctcttc ccaaaccctg 60
ctactacgct gtccaccctg tatggcttta ggtctttgag gtttttttgg aattcacttg 120
ctggagacta cagctcacag aacgccctgg gctggattgt gccagctgta gttcgcgaac 180
caaggacatt tcttggaat gcattgcggc acgtatctgt gacagaaatg gcagttctca 240
cgtgcgttac gtcccctgga aggacttga aatacgaac ttgagtgagc actgagagga 300
cacaga 306

```

<210> 1121

<211> 377

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (97)..(97)

<223> n=unknown

<220>

<221> misc\_feature

<222> (346)..(346)

<223> n=unknown

<400> 1121

```
caagaatgga agaatgggta aagtctacag tccatttcta gactgggcat gagactcatg      60
tttatgatga tggacttttg atctgggtgga gggaccnaaa cttccagtt ctgaagctca      120
ttagtggtcc tacctgtgtg acaggcattt actattggac tggcagtccc aggacaaact      180
ccaggaatcc ccccatgtcc atctctactc ctgccctctt ttacgtagca gcaatcatat      240
tttcccttga tagggttcat cattctagat actccgatga cttctttata atgagcctga      300
agtggcctgg tggctgcctc agcttccagt tcagttgaat agctantacg tctttgagga      360
tgtgcccctt gctggggg                                     377
```

<210> 1122

<211> 497

<212> DNA

<213> homo sapiens

<400> 1122

```
attctacatt ctacgtaaaa gctcaaatcg ccagatactg ttattactat tttaggaggg      60
cttggctaata acaaactctgg accaaatggt ggcccatgct aaattatata aaaagaccaa      120
acatccaaga aaggcaggaa ttcaaagatt tcagaagata aaaatgcttg attgggtccc      180
tggcatgcaa ccagcccatc aacccccctca ctgccctctg gcaggacca gaagatgagc      240
tcccttcttg ccacgagaaa tacattcatg aggctctgct gattttcttc tctaggcctg      300
ggaggctgct tgaaagagct gctgtgaacg tgggctccct gatctcagca acagagatag      360
acagaaggaa caaaataggg cgctcatcgt aagggatagg ggcattggaaa ccagacctcg      420
agctgtgggt cccaggaatg aaaaaggcca gacgccccta agatatgggc tagtaatgac      480
cttaactaaa gacttct                                     497
```

<210> 1123

<211> 626

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2) .. (47)

<223> n=unknown

<220>

<221> misc\_feature

<222> (205) .. (205)

<223> n=unknown

<220>

<221> misc\_feature

<222> (597) .. (597)

<223> n=unknown

<400> 1123

gnagaggggt gagattctgc tggaaacaag tcaattggct aaaatantct tttaatcaca	60
ttttgtggac catcttctgc ttagttttgc tcttttatgt ttttatttgc ttgttcatat	120
atacatcat taacctgcaa caactagaag aacatttacc aaaatattaa ccaacagtga	180
ctatcttttg atgtggtggg tttangggag gaagtatgtt tttctgtgtt gctccaagtt	240
tttctgttta aagcatgtat tttgtaatgt ttgggggaaa ccaaattccat caaaataaag	300
tgcaagtttt gtaacctgaa ccactcattg aggtacagaa ttgaaatgta tttagatgaa	360
actcacaggt attttttctt ggagaatgtg gaatatttta tctatagtgc agctgtgctg	420
tcatttatgc cattttttcc tcttcattgt gattcttact gtttggggtg aaagatgagt	480
agtatttaaa gcccgtaatg tgtgtgagta cacacgtgac atcttagtaa gattcatttg	540
tgtgagaaat aagggattt aggtttttgg ggtacattgt ttcaaaacat gtaatangtg	600
acaaaaatcc agttgttaga ttgtag	626

<210> 1124  
 <211> 477  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (466)..(466)  
 <223> n=unknown

<400> 1124  
 gcacatgccca ccctgctggc ttccacccaaa cttttatttta atcaggggcta tcatgtaagt 60  
 ataaaaaagt ttcattccag gcagactaca tacaaatcta aacaaactgg atttttgtca 120  
 cctattaaca tgttttgaaa acaaatgtaa cccaaaagcc taaattccct tatttctcac 180  
 acaaaatgaa tcttactaag atgtcacgtg tgtactcaca cacattacgg gctttaaaat 240  
 actactcatc ttccacccca aacagtaaga atcacaatga ggaggaaaaa atggcataaa 300  
 tgacagcaca gctgcactat agataaaata ttccacattc tccaagaaaa aatacctgtg 360  
 agtttcatct aaatacattt caattctgta cctcaatgag tggttcaggt tacaaaactt 420  
 gcactttatt ttgatggatt tggtttcccc caaacattac aaaatncatg ctttaaa 477

<210> 1125  
 <211> 509  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (30)..(30)  
 <223> n=unknown

<220>



<221> misc\_feature

<222> (485)..(485)

<223> n=unknown

<400> 1125

```
aagaagcgga aaaagagtcc agaaaagggc cgtgcagcac caaagacgaa gaaaatcaag    60
aattctccct ctgaagcaca gaatttagat gagaatacaa ctgagggctg ggaaaatcgg    120
ataagactat ggactgacca gtatgaagaa gctttcacta atcagtacag tgcagatgta    180
cagaacgcgc ttgaacaaca cctacattct agcaaggaat ttgtgggcaa acctactatt    240
ttagacacta ttaataagac tgaattggcc tgtaataaca cagttattgg ttcccaaattg    300
cagttacagc tgggaagagt cactcgtgtt caaaagcacc ggaagatcct gagggctgca    360
agagatttgg ctttggacac tcttataata gagtatcgtg ggaaagtcac gttacgacag    420
caatttgagg tccatgggca tttcttcaaa aaaccatacc cctttgtgct cctctactcc    480
aaattcaatg gtgtagagat gtgtgtgga                                     509
```

<210> 1126

<211> 147

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(81)

<223> n=unknown

<400> 1126

```
anggccncct gcngagnanc naagntctnc tggatcatcta taacctcttc tttctcttct    60
tctgggtttt cttctggatt ntctacttcc tcatgatcac tggatacagt tactttttct    120
ggaacttctt gtgattgctg gtcatta                                     147
```

<210> 1127

<211> 556

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (30)..(30)

<223> n=unknown

<220>

<221> misc\_feature

<222> (485)..(485)

<223> n=unknown

<400> 1127

```
ctcgcccccg actgtggaga agtgtccggn gtagccccgt tacaggtatc gctgggtacc      60
ctcctccttc gccctcctt tcctccttta cattcaaatc aagtcggggg tgaatttcga      120
gaggggagtc cgaggacctg gggcctgatt tctttttctc tcgccatgct tcttcgggct      180
gtgtacatgt gtggtggtgc ctgagaggcg atacaggga tggctacact cttttactcc      240
cgccccctggc cttcgtagta cccttgaagt gatccactag tcgtaacccc tccttccatc      300
aatgattcaa ttggagaagt ttagaggagt ggaaagactt gtccccttcc cccatcgcaa      360
gcttggtcac agagtgtatt gccaaacccat gtatccagac gtcagtctaa gggctcttgg      420
ccctgggtag cgttttgaaa agggctgggt atccttaagt actgaagatt gataaagccc      480
acttncttac ttaaaagaat atgccctgaa atgtgttttc tgtgccactg acaccagaaa      540
tgccaattag aagaag                                     556
```

<210> 1128

<211> 499

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (111)..(496)

<223> n=unknown

<400> 1128

```
tccagcaata caaagtgttg cattagtacc accaaaacca aaggaattgg tgaggccaat      60
aaatcttttc tcagttttcc attcctgtgc ctttagtgga acatagttga natcaaattc      120
tggttcngaa caatccangt ttaaagtagg tggtagtttt tgntaataan aagctaattgt      180
ggttnnaagct gnctngactg cncctgcagn tcccagcaga tgtcengttg ctcccttagt      240
tnagganact gcaagggcat atgcatggtc tttgangaga ngtttgatag ctttgttttc      300
ancngcatct ccnaanggtg tngaagtagc atgtgcattg atagaggata nctcctcagg      360
ctgcacantc gcatctttta aagcagcagc natacacctt aaggcaccnn cnccttcang      420
atcaggggca gttatngan cagcatcacc ngagaatcca taggccaaaa cttctncata      480
gntccgggct cttcnntga                                          499
```

<210> 1129

<211> 273

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (198)..(242)

<223> n=unknown

<400> 1129

```
ggttgaaacc atgaatgcgg aaccacacaga tatggaggac tgactgtatc ttacacacag      60
aaccacccta ggctccaaac gctccaagtt acccagagag aagtgtcttt gtctgttctc      120
tcagatctgg gcagcaaatt attctaaagg gactaagaga aaatattgca gtgttggtag      180
cagacattaa ctgagcgngt tagtgccagg ccnagcacta agcacttnat cagttttttt      240
tncctcattt tatcatcaca ttaatgctgt gca                                          273
```

<210> 1130  
 <211> 510  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (154)..(230)  
 <223> n=unknown

<400> 1130  
 gtttagccag tctgtcctcc atcacgtgga agatttggtt gattctctct gaatccccag 60  
 cacctggcct gggcctgata ttacctgtta aacagatgta cgcttttctt ttcttttttt 120  
 gctgggggaa ggggatggag ttctgctcgt cacnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctgcacagca 240  
 ttaatgtgat gataaaatga gggaaaaaaa aactgatgaa gtgcttagtg ctaggcctgg 300  
 cactaagagc tcagttaatg tctgctacca aactgcaat attttctctt agtcccttta 360  
 gaatcatttg ctgcccagat ctgagagaac agacaaagac acttctctct gggtaacttg 420  
 gagcgtttgg agcctagggg gggtctgtgt gtaagataca gtcagtcctc catatctgtg 480  
 ggttccgcat tcatgggttc aaccctcgag 510

<210> 1131  
 <211> 370  
 <212> DNA  
 <213> homo sapiens

<400> 1131  
 aaaggatggc tggtcaccta gagtatctat agggataaaa gtatagctaa aataacctac 60  
 attttaggtg gagataatac agctgcctaa gcttaggtga actgcttttt gaatcttagt 120  
 ttgctccttc ataaaattgg attaataata taccaatttg gcagagtttt caaaaaaat 180  
 gatgccacat cctgtgtttc caaacagcct tacctttcaa aactcttttt ggaagctgta 240  
 aagataatca agtgatacct gccattatgt aaaggaattt tggaatccgt ctttggggaa 300

ataaaagcca taagagagat gaaagctaact actttgtagt taaggatttt ttccttgatg 360  
tatctaattg 370

<210> 1132

<211> 576

<212> DNA

<213> homo sapiens

<400> 1132

ctgggttcca tggtgcaact tagataagaa aagattcttg tgagacctaa aataaaacag 60  
gaaagtttgt aattggctcc agaaagatag taaggcaatg gaaaacaggt aaatgatttg 120  
ccttaatctg ttctaggatc ttctattaat actttggcct acttcctttg gtgctctccc 180  
tgcttagtac cccatcttaa cctgtggcct cttaagattt ctgttgctg tctcatcttt 240  
ctccatctca tctactccgc agaaatcaag atgttttttg atgtctcaga agaagcaggc 300  
aaaaaaaaaga aaagacaaga ctctttcggc cttccaatta gatacatcaa ggaaaaaaat 360  
ccttaaacta caaagtatta gctttcattc tctcttatgg cttttatttc cccaaagacg 420  
gattccaaaa ttcctttaca taatggcagg tatcacttga ttatctttac agcttccaaa 480  
aagagttttg aaaggtaagg ctgtttggaa acacaggatg tggcatcatt ttttttgaaa 540  
actctgccaa attggtatta tattaatcca atttta 576

<210> 1133

<211> 572

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (506)..(564)

<223> n=unknown

<400> 1133

ccttgaacaa gcttcatgag ttgccatca cagagccatt agtcactttc caaggagaga 60  
ctgaaaacag agaaaaagtt gccgcctcac caaaaagtcc cactgctgca ctcaatgaaa 120

gcctggtgga atgtcccaag tgcaatatac agtatccagc cactgagcat cgcgatctgc	180
ttgtccatgt ggaatactgt tcaaagtagc aaaataagta tttgttttga tattaanaaga	240
ttcaatactg tattttctgt tagcttgtgg gcattttgaa ttatatattt cacattttgc	300
ataaaactgc ctatctacct ttgacactcc agcatgctag tgaatcatgt atcttttagg	360
ctgctgtgca tttctcttgg cagtataacc tccctgacat ggttcatcat caggctgcaa	420
tgacagaatg tggtagcag cgtctactga gactactaac attttgact gtcaaaatac	480
ttggtgagga aagtagctca gggttantgct atgggtaatg caccagcnag caaatattta	540
tgtttngggg ttgaaaatcc aagntattaa cc	572

<210> 1134

<211> 439

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (97)..(417)

<223> n=unknown

<400> 1134

aagcatgtta gaaaacctga agaaatttaa aagtttttgg ttacaaaaa gcatgtataa	60
aaataacctgt tcagacaaac aaagatctga tcattanatt gccagcttt aagaatgcca	120
aaaataacta aaatactgtc aatcaaatga gagggtaca tgggtntatt aaagtttatt	180
ttaacaattt tagctaagca gaatgtgcta atgtaattca agttacagtt actgccagat	240
aacataagag anaacattgt gtgtggccac ttaagattat gcctcaaaca gatactgttt	300
cgtgcgcaga acagagttgg ggaacacagc tgggntaagn ttcaatggta agcagcncta	360
aagatcaaga aaatcccca cttttctant aaccgctata cntatgnna nncaanntag	420
tatctatcac cacactctt	439

<210> 1135

<211> 374

<212> DNA

<213> homo sapiens

<400> 1135

```
agcgaaggaa gttatctgct gggaacactt gcatttgatt taggaccttg gatcagtggg. 60
cacctcccag aagaggcacg gcacaaggaa gcattgaatt cctaaagctg cttagaatct 120
gatgccttta ttttcagggg taagtaactc ttacctaaac tgagctgaat gtttggttca 180
gtgccatatg gaataacaac tttcagtggc tttttttttt cttttctgga aacatatgtg 240
agacactcag agtaatgtct actgtatcca gctatctttc ttggatcctt ttggtcatta 300
tttcagtgtg cataagttct taatgtcaac catctttaag gtattgtgca tcgacactaa 360
aaactgatca gtgt 374
```

<210> 1136

<211> 396

<212> DNA

<213> homo sapiens

<400> 1136

```
aactgggttt tcctttttac actgatcagt ttttagtgtc gatgcacaat accttaaaga 60
tggttgacat taagaactta tgcacactga aataatgacc aaaaggatcc aagaaagata 120
gctggataca gtagacatta ctctgagtgt ctcacatatg tttccagaaa agaaaaaaaa 180
aagccactga aagttgttat tccatatggc actgaaacaa acattcagct cagtttaggt 240
aagagttact tatccctgaa aataaaggca tcagattcta agcagcttta ggaattcaat 300
gcttccttgt gccgtgcctc ttctgggagg tgaccactga tccaaggtcc taaatcaaat 360
gcaagtgttc ccagcagata acttccttcg ctctcg 396
```

<210> 1137

<211> 137

<212> DNA

<213> homo sapiens

<400> 1137

```
caaaaatggtt attggttagcc tgtcacattg gcctgtgtgc tcttcctcaa acactctaag 60
```

cctgctagca cttcatggtc ttcactttca ttcccactgc cggcagtgcc cttccctcag 120  
agattctttc tgtcagg 137

<210> 1138

<211> 591

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (579)..(579)

<223> n=unknown

<400> 1138

agagaaccct ggagttacac tattatatgg tctcattcag cattaacatt catgactttc 60  
taacaggcct tgcttgaaat gatcagagcc agagaatggt ggagagagga tcttaagtag 120  
aaatgcctca gccagacaag caacaattac ttttgtgaaa taagaaaagc aatttgtgtaa 180  
ctttcttcct tgtccagtta ctaaggatgg ttttatttac accttttagca tttcatttca 240  
agaagttgat attaaagaaa tcctcatcat aataataacc catggagtaa tgcattgtcaa 300  
ctctgcaaaa ctagaacgta gccactttaa atatacttaa cacatgacag cattctcagt 360  
cttggtttct tcttgagat gaagttgaaa ggaagctcaa tccaactctc agacaaaaag 420  
ctttgtcaga tatgccaaaa tcccttttgt gagcctgtgt ttgttagata cccaaatggt 480  
ggctttgtgc acaccactg tggccgccag cagacacaca aaccccagct catccagtcc 540  
tggcactcgg acttgaaaag cttggcccaa ggggtgcgang gggactccga g 591

<210> 1139

<211> 274

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature



<222> (7) .. (23)

<223> n=unknown

<400> 1139

aactctncna nnttnctggt ttngggatgtt ttaggggttt tccatgtaca ttcatagagc	60
ctggtcattc catgtacatt catagagcct ggtcagcagc gaggagtcct tgttgcgtat	120
ggacggaagg ctccctggca cccagatgtc tcccttcgtc ctgggctgac acagagcatg	180
gtggtcattc gctcttcatt tccagcagc tcagaaagaa ctgggagttc cctcgcacc	240
cttggggcaa gcttttcaag gccgagtgcc agga	274

<210> 1140

<211> 608

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (530) .. (530)

<223> n=unknown

<400> 1140

atttattcat ctatcgatgg aactttggga ctatatgctt ttattttaaga gcattttaat	60
aaacatcagc cttacccggt tgatgaacaa aacagcatca ttctcattaa ggagagaaaag	120
cagcagatgt tcccgaacag aacttctgcc ttcagctttc tggcataccc taaagcagtt	180
tcctacagtt catgctctga cccgaattta atactcctat ccagcctggc ctcaggtag	240
aatcacacat gtatcttgca actacttgcc gctaaacccc agcttaggct gaaccctttc	300
ttgagagcag agactattgc tcacactgta actagcatgg tgcttgattc ccactagggt	360
ctcagaatta ttcattaaac gagtaagtat caggtactaa aactgtgcca aaatgtaaaag	420
acagaaacaa ttactaataa attgttactc tattattatc agcgagaata cttttaaaag	480
acaaatccac tggaaaacca ctcatgacac tgatgatgct aagaaaggn taaactgcta	540
cttgaaaggc atgtgagaga atgtgtgtgg tggggacaga gttgaggaat gcaattcaca	600
gtatttgc	608

<210> 1141  
 <211> 283  
 <212> DNA  
 <213> homo sapiens

<400> 1141  
 agaatttagc tgttttttat ttccattaaa ctaaatttga atgacagttt aaacaaacta 60  
 tttgtatggg ctgatgccta gggtttttagt caagtaatcc agaggctggt actatttatt 120  
 tctgactcta cataaacaat attgtactct taactatgaa ggatgacaaa ggatttgctt 180  
 tccactgagc aagtgtcatt aggaaagctt ctatgatgaa ttatctcttg aaactattta 240  
 ctgtacctct gctgccata tgctttttat tttttttcag gcc 283

<210> 1142  
 <211> 480  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (163)..(163)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (282)..(282)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (443)..(443)  
 <223> n=unknown

<400> 1142  
caagtccaaa atttaatagc acctctgctg agaaatataa tgccagggat ctatttcagt 60  
tctccacact ccattgggtca ccatgttcat tcatgtctgc cttctaaaca tctcaatcta 120  
gccctttctt cccctttctc agagccactg ccatacttga ggnttccatt gtctcctgat 180  
tggactatth atattgccgt aacttcttac cttgattgtc tattgccact ctctttgcca 240  
cctcccttct gtttaccacc agaaccgtga atctaaaata tntcctcttc attaaaagtg 300  
aaagaacatt atcacgtcat ttctgtttc attaaaagtg aaacattttt taaaaggaaa 360  
aataatagcc cttcaaggtc tggcgctaag ctcatthtct cgcagcttca ccatggatc 420  
tatcttgat tccagctgca ganctccaca ttctcagat aagtctttcc tttttgtac 480

<210> 1143

<211> 377

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (366)..(366)

<223> n=unknown

<400> 1143  
ataagaaaca ggctgtactc tcatctgggg agcaataaag gcagatgtcc ctgaaaatgt 60  
tttacttgga aaattattaa ttgctcttta ctgtcagcca tttatgcctt ccagtcaaga 120  
acgaacgtga aggaaatgtc ataaacctta aatgtcagca aggattcact tgaggcctac 180  
taataaagat cagatttgaa cactttaatg ctaatatact ttatcacaga gtatcttatt 240  
ttactcaatg gcaataaaaa aaataacaga acccttaaag ggcattccaca ttgatttctc 300  
agtgtgtgat tcatthtgat tactgatata actatactta aaattaagct tctattacag 360  
aaagcnaaat tacaaaa 377

<210> 1144

<211> 556

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (466)..(466)

<223> n=unknown

<400> 1144

```
ctcttttact gaaaaagcag gggatgagtt ccatcagaag gtgcccagcg ctacttccca    60
ggtttttatt ttttttttcc tatctcatta ggttggaagg tactaaatat tgaactgtta    120
agattagaca tttgaattct gttgacccgc actttaagc ttttgtttgc atttaaatta    180
aatggcttct aaacaagaaa ttgcagcata ttcttctctt tggcccagag gtgggttaaa    240
ctgtaaggga cagctgagat tgagtgtcag tattgctaag cgtggcattc acaatactgg    300
cactataaag aacaaaataa aataataatt tataggacag tttttctact gccattcaat    360
ttgatgtgag tgccttgaaa actgatcttc ctatttgagt ctcttgagac aaatgcaaaa    420
cttttttttt gaaatgaaaa gactttttaa aaaagtaaaa caaganaagt acattcttta    480
gaaactaaca aagccacatt tactttaagt aaaaaaaaaa aaaaattctg gttgaagata    540
gaggatatga aatggc                                         556
```

<210> 1145

<211> 473

<212> DNA

<213> homo sapiens

<400> 1145

```
agacagagtg cactaaattt aacttttagaa aaaattagcc gttgttcctg aattgttttt    60
gttttgcttt tcattcaacg atatcaactt gtaacttggtg tcacttgagt ttttaattcag    120
cagtaaataca cctccactcc atatctaagc agcgttgtcc caaaaacaaa aggggctgag    180
gataattcag ctaatggatg tccaagggtg tgctagggtt atttcttcac ttgattgggt    240
cttatggcat ttcatatcct ctatcttcaa ccagaatttt ttttgttttt acttaaagta    300
aatgtggctt tgttagtttc taaagaatgt acttttcttg ttttactttt ttaaaaagtc    360
```

ttttcatttc aaaaaaaaaag ttttgcattt gtctcaagag actcaaatag gaagatcagt 420  
 tttcaaggca ctcacatcaa attgaatggc agtagaaaaa ctgtcctata aat 473

<210> 1146

<211> 522

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (480)..(480)

<223> n=unknown

<400> 1146

cagagattaa tgatcatctta gatgaacaat tttttcaccc tgctagtttc catttgggac 60  
 atagggtggt tgctgtggta ccatgcatag acactcagag cttagcagag ttatgtcaga 120  
 ttatctctct aaaacaatgt gttgttcctt accaaaaaac gtaagccct ctggccggac 180  
 cttatttttg tcattatggg aggcagagca ttccaaggtc aaatgacggg ttttccatct 240  
 gggaagtatt cttttggttg ctgggtgttc cttgggagtg gatgtaaacc ttaagtagcc 300  
 agtagtgacc ttgagtacct ctggattact aggaagggg aggtagggat gggaagtgg 360  
 gcggtacacc tgattatagc aagcatgaag ataatagttt taagtttgct gttttgaatc 420  
 tgggcactaa cttcaatgct tgccaggaaa atcttatctt gtaaagcaaa tcctagtgan 480  
 gtcacgaagg tgtctcctcc tccaattggg ggtcagcact at 522

<210> 1147

<211> 568

<212> DNA

<213> homo sapiens

<400> 1147

ataagtgaag tgagtgcgtt cttcctgccc ctataatgac aagcctgaca gagaacacat 60  
 cacacagaag aatgtgccaa gaatcaagac ctcttagaag aatgtagaa agttttctct 120  
 ccaaattgat tctgtctaag taggaaggcc ttggcaacta gaaaggctta agatcaaatt 180

tatgacttga aaactctatg gctttgggca aattatctga acttaattct ggactcaatt	240
tcttatctac aaaatgggaa ttaaggcatc aacctcaaag gggtgtttaa agaatgtgat	300
tatgtatttc tgtaaagcac attgcaaagt atctgacaca tagtaggtac tctctgtaaa	360
tattagcttc acttctctca ctctccaac tgaactgcag ttatgtaaag aaaagcaagc	420
atccagcagt tttgaagaat gtttggtttc cattaggagg caaggaggt gtaagaatga	480
actcttgatc ttatatgaaa taaggatgca tttcctgtac acatacacat gactcaccct	540
tgggggagct catatgtatt tagcatcc	568

<210> 1148

<211> 493

<212> DNA

<213> homo sapiens

<400> 1148

gttgtatccc ctagaacat ttttaacaaa attgtgttga taggacaagt ttctgtttat	60
ttctaactag ggtctcttaa ctaaatgtac ataacattag cccaagagtt gatcttctgg	120
ttttataaag tagccacttg aacttagctg agttgaatta aatctaatat ttataataat	180
ttagtaatgg ttttgttctt agactataag agaaggaacc aggttaggaa ggggtaatga	240
agtaacagca ggaaggatc cacattgaaa acagttgtga tagctagagc tatggcctct	300
attcttgtat cttctgcac taagtgccct gtctgtatcg aagttttagg aggccctaag	360
gaaacctgct tgggcattct gattccatga ttacatttgt gctgccagaa aacatttccc	420
attgcatttt agtgatggag atttaaagaa agccaattac tgtaactccc ttaaataaaa	480
acatatttaa aaa	493

<210> 1149

<211> 158

<212> DNA

<213> homo sapiens

<400> 1149

tttggcactg gattttatcc tggagtttta aaatattctt catcctgttc tttttctatt	60
aagggttaatg ttgaagaagg aaaatgcgga agtcgtcatt tgacaagttt tataaatgag	120

tatttgaagc tcaggaataa gtgaagctga aatttgaa

158

<210> 1150

<211> 482

<212> DNA

<213> homo sapiens

<400> 1150

ggcgggggct gaggagctcc ttgggcagca tgaagagctg gggcaagaaa tcagggagtg 60

ccgccttcaa gcccaggacc tgccggcagga aggacagcag ctggtggaca acagccactt 120

catgtctgcg gaggtgacag agtgccctgca ggagctggaa gggcggctgc aggagctgga 180

ggaggcttgg gccctgcgct ggcaacgctg tgccgagagc tggggcctgc agaagcttcg 240

gcagaggctg gaggaggctg aggcctggct ggcctgctgg gagggactcc tgctgaagcc 300

cgactatggg cactcagtgt cagatgtgga gttgctgctg cacagacacc aggacttaga 360

aaactgctgg cagcccagga agagaagttt gcccaaatgc aaaagacaga gatggaacag 420

gagctcctgc tgcagccaca ggaactgaag cccgggagaa cttgcaagct tcgctgacat 480

cc 482

<210> 1151

<211> 333

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (282)..(312)

<223> n=unknown

<400> 1151

tcattctagg ctcttggctg tacatggcaa gggctggtac agagctcgct catcagtgtt 60

cttcctccga agagcacatt ctctgcacac gtctgctgtc acctgtgctc agagtcaccc 120

cttccaagca aggaggaggc cacatgggcc tggggtagcc ctggccttgc ccacctgctc 180

tgccgtaaca cgtctcctct tcacccagac aggaatgcag ggggaggcca ggcaatggct 240

gtttcctgcc acatggtagg acccatctaa ccagaaggaa cnntccnatn cagaagcnng 300  
gccccggggaa cnggggtgaa gcagccacgg gaa 333

<210> 1152

<211> 439

<212> DNA

<213> homo sapiens

<400> 1152

ctggatttct acgtggattc catttggtca gtcaaaatgg aagtttccaa atgtgctcgt 60  
tatggatcct ttcccatttt tattagtgtc ctcccttttg gaaatttttg gacacatcca 120  
ataacagacc agcttcgggc tatgaacaaa gcagcacacc aggagagcac tgaacacgtc 180  
ctgtctggag gagtggtagt gagtgtctata ttcttcattt tgtctgcaa tatcttatca 240  
tctccctcta agagaggaca aaaagggtacc cttattggat attctcctga aggaacacct 300  
ctttataact tcatgggtga tgcttttcag catagctctc aatcgatccc taggtttatt 360  
aaggaatcac taaaacaaat tcttgaggag agtgactcta ggcagatctt ttacttcttg 420  
tgcttgaatc tggcttttt 439

<210> 1153

<211> 455

<212> DNA

<213> homo sapiens

<400> 1153

ctatgcaaaa aatggactaa aaatttttca tttgggtctt tgtaataaac atgtaaatac 60  
atatttaciaa tggagatgct tcctgataga aagtaaacag aagtaatttt ggtcttcaact 120  
agaatccatc atatctattt tcgaagatga tgtaatacat catgtttact caaaatttga 180  
ttccttttat acacataatt taaataatta ctccactttt accattaatg tttcattctg 240  
tatttaaatt tccttcaaga aagattcctt gatccagtag tagggaactc tgtttctgta 300  
cagttaatgt gtaattttta tccttctggc aatattaciaa atactgagtc atttaatctt 360  
cattgtttat tctccagggg taattcttga gtatctcaca tgatgtaagt accatctttg 420  
cagtattcat ggattccatt gtttgtcaag cagac 455



<210> 1154  
 <211> 401  
 <212> DNA  
 <213> homo sapiens

<400> 1154  
 gaactttgga ataagtttct gtgtagatac ccaaagttta ataattatga gagcacctga 60  
 tttgatagac agaaaatata gttcttttagt caaaacacaa gatctgaatt ttgttcaggt 120  
 gctagaccat actaaatgta tatatTTTTa attatagtga tttgtttcat gtttttagat 180  
 tggctaattc tgtaattttt tccccaaaaa catgtgaaga aaggaaaagt aaattaaatt 240  
 ccttagaact gtttttaggtt aagattctct gtgtctgccc atattctgca gtccttaact 300  
 tgttttcaac tctttacctc actcatgaac ttgtttttac ccatttgctg ccaaacatag 360  
 gtgtgttccc ttcaggagaa tcagcatata cagggtatga t 401

<210> 1155  
 <211> 209  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (21)..(202)  
 <223> n=unknown

<400> 1155  
 gggtaacaat gattcctggt nataatttta cctattcttg tnaatacaga ttttaaaatt 60  
 aattttgaga tttatctatt gntaggacta anagtttttna aagaccacaa cgtaacatta 120  
 anattactga tctttcnagt tgannnanag cagtncatata tgaagtatta tagtctgctg 180  
 cagaaagtna tgcaanncna tnagtgaag 209

<210> 1156  
 <211> 550

<212> DNA

<213> homo sapiens

<400> 1156

```
cgccgctctt tctcctggaa tcagatgaaa tggagaactt gctgacctac aagcggagag    60
ccatagagca cgtgctgcag gtagaggcct cccaggagcc ctcgcacgtg ttcagcctga    120
agcagctgct gcagaggtta ctgaagagca atagccactt gagtgaggag tgcggggagc    180
ttctcctgca aagaggaacc acgaagggtg ccacaggtct ggttctgaac agagaccaga    240
ggctcgcttg ggcagagAAC agcattgact tcatcagcag ggagctgtgt gcgcattcca    300
tcaggaagct gcaggcccat gtctgttga tcaaagcagt ccacggatat tttgattcaa    360
gacagaatta ctctgagaag gagtccttgt cgttcatgat agacacgatg aaatccaccc    420
tcaaagagca gttccagttt gtggaagtcc caggcaatca ctgtgtccac atgagcgaac    480
cccagcacgt ggccagtatc atcagctcct tcttacagtg cacacacatg cttcccagcc    540
cagctgttag                                     550
```

<210> 1157

<211> 384

<212> DNA

<213> homo sapiens

<400> 1157

```
cagggaaagg ctaggtgggc ccagcctgcc cttccttcct ccagctggct ggatatttat    60
tattagccag gagaaagcag ccctggaacc cagactctgt ctccctcttg aggtcacaga    120
tggtgaagtt ggaatctcgc tccttcccct gactaccatc ctaggctggg cctcaagact    180
agtgaggcct gtccccacca tccctggcct tggtgtgggg ctcaggaact cagagtccca    240
gtgttgagtc tgggagcact aggtcttcat agttccaggc ccagagctac agctgggctg    300
ggagcatgtg tgtgcactgt aagaaggagc tgatgatact gggccacgtg ctgggggttc    360
gctcatgttg gacacagtga attg                                     384
```

<210> 1158

<211> 128

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (117)..(117)

<223> n=unknown

<400> 1158  
ggaatggatg ctcacccagt aagtataatg cagatattcc aaaatctaaa aaaatttgaa 60  
atccccgaaca cttttgggtcc caagcatttc agatacagga tactcaaaac gtagtgnaat 120  
acagaaaag 128

<210> 1159

<211> 517

<212> DNA

<213> homo sapiens

<400> 1159  
attgtttggt taatgctgta gagtgagttg tgatgcatgt ttgtgtcaat agtatttttg 60  
gcttgcattt tttaaattgt tagattatat atacatcgta gttcagatgg ttcattcata 120  
ctgctctcat agttagtatt catcgtctct caaagttttc ttacacaaat attttgttat 180  
cacagagtta cttttccact ggaatataaa aatgggggtat agatgagcaa tgggtgctttt 240  
gttgttttgg tttctgttct cttacctcac ctaaatagat attgaagaat ttgagaacca 300  
ttagctaagt ctaaattctt gattattgta tttaggcttt atattgaggc tttagctgct 360  
agttctttca gcatcatctc ccaatctttc tgtaacatc aaagtctagt ctaacgtaca 420  
gaatttactg tcccctgaaa attacacttt tatgggtttc atgcttgctg ttctcttttc 480  
ctagaatgtt tccttttctt tcttagcctg gtaaaaag 517

<210> 1160

<211> 551

<212> DNA

<213> homo sapiens

<400> 1160  
 tgatatactt aattaccagg gtaatatcc taacaccatc acttttactt gacaattctc 60  
 ctgctctaaa agttatgaac ctgacattct tggctctaca caatctggac ccagtctact 120  
 cttctataac catcttcac ttaatttaca aatctttatt aaggcacagg tactcctact 180  
 tatcccctat tgctctctc atgctgaatc aatcatgcc aaagctaaga aaacatgagc 240  
 atgcttgga ctaaagaaac agaactgagg atttcctaca catcctaact gcaaggacag 300  
 tccatcaaaa gccagagata agtattttta tttgctcttt atttcttaaa ataatttccc 360  
 caattttgtt aaccctacc tcaaagtact ttagaggat tttaaaggat atgtaataata 420  
 gttactaagc atttccactg attgtagctg aaggattttc taatgtctat tacatgaaac 480  
 ttctccttaa actctctttt aacggaactg tcattttcct ttccagaacg ggcttgtctt 540  
 tgctttctcc t 551

<210> 1161

<211> 374

<212> DNA

<213> homo sapiens

<400> 1161  
 agaccttcca ggaggtagac cccttctct gtagatcaca aagtaaaaaa ggtacagggt 60  
 gttagggtat ttgtgaattc ctggaatgag agaaagcaga aatataaacc agttgggtca 120  
 attgatttag gcaaaaccta ggtctgtgta atggtagtaa gtgatagcat ctgttggtgc 180  
 tttgacaatt attctatttt tctctgtttt attcataatt ttgaggagga tttaccattt 240  
 tccctaattc caggctattg aattagtaaa tagcataaaa tcaaacttga acaagcttaa 300  
 ttttgtaaaa atattcaaca atataaacc tcttttataa atttctcttt gcagagagtt 360  
 aatggaagag tagt 374

<210> 1162

<211> 323

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (183)..(319)

<223> n=unknown

<400> 1162

```
aacattaatt cttcattact actgatggga gcacttgcta ttgtctgtga taataccaac      60
tcttggagtt ggcagtgata cagcctaaat attggtatgg caatatctgg atagagggat      120
taattaacat tactcaaaag ctatgtcttc ccttttcagt tactatatat ttaataagcg      180
acnttgtcac ctcatatacc tattaactcc ggaataccag gctgccgcaa gactcatgnt      240
gacaactaca tctacnggaa nangatctgc aagggcattg ttgngggcac gtattgttcg      300
aagaattcct ntccctgcnc ttt                                           323
```

<210> 1163

<211> 504

<212> DNA

<213> homo sapiens

<400> 1163

```
gggcattctt ggagggatcc tgtgaagtat tgtaggagg tgaacttcac tacatgttaa      60
gttacctga aagtgttcat gtgcttttaa tgtagtctaa aagccaaagt atagtgactc      120
agaatcctca atccacaaaa ctcaagattg ggagctcttt gtgatcaagc caaagaattc      180
tcatgtactc taccttcaag aagcatttca aggctaatac ctacttgtag gtacatgtaa      240
aacaaatccc gccgcaactg ttttctgttc tgttgtttgt ggttttctca tatgtatact      300
tggtggaatt gtaagtggat ttgcaggcca gggagaaaat gtccaagtaa caggtgaagt      360
ttatttgcct gacgtttact cctttctaga tgaaaaccaa gcacagattt taaaacttct      420
aagattattc tctctatcc acagcattca caaaaattaa tataattttt aatgtagtga      480
cagcgattta tgttttgttt gata                                           504
```

<210> 1164

<211> 101

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (12)..(101)

<223> n=unknown

<400> 1164  
catttcattc cnaatttcca cagatcatan cagctcagnn ntttanctga atcctacgca 60  
gttangattc angattcata cacagangac ctaaatannt n 101

<210> 1165

<211> 492

<212> DNA

<213> homo sapiens

<400> 1165  
gcatgctgaa gactccccga ttggtaactc cagtctgact gtgggacata aatggtattg 60  
aacttttagac ttgtatatcg aactgattac tcaagagctg catttgcatg tgtaatggac 120  
atcccaaacc taacataccc cccaaatgaa ttcttgatat ctacctaacc tgttcttgca 180  
acagtcttct tcccagggat gagtgaagat cccatcatct ttccagttgc tcaagccaaa 240  
aaccttgatg tcactgttgt ctcttctttt ttcatccaa aattcacctg tgatttatcc 300  
acaaattctg tcggcttcat cgttaaaata tattcattat caagccactt tcaacattcc 360  
actgctataa ccaccaagcc accttcatcc accttctgga ttattatatt ggcttccaga 420  
cgggttgccc tacagtctat tcacggcccc agagtaatcc tcttaaacct aagttagatc 480  
atggccattc at 492

<210> 1166

<211> 293

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (33)..(289)

<223> n=unknown

<400> 1166

gaaaaagaaa tgcatatagt gaggtatgaa ggnnagggtg nggagttcca tantccttcc 60  
cntttgcacn cnccganncc aggtggnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntatgga gantttgtaa cacaggcatg 180  
attnattaat ccatcagcca ttngtgatcc acttcagctt cagttgccct cctccccaga 240  
tgtnganngg gtggancnga aattgcnatn cttntaatcn tgntntggnc ttt 293

<210> 1167

<211> 264

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (66)..(252)

<223> n=unknown

<400> 1167

ctgccgtcag agtctgcctt tgtgtcttta tctgctttgc cttcctagtc cccgtcctgc 60  
ttcgtngccc ggcattctggc agggctggga gacgcctctc cagattcctc tggagcatnc 120  
cctctggagn ctctctctctg ncctgttntg ccggnggttn tccagnctctc gtggctgtgg 180  
tcnnggacag gtctccccac actgggtggg tcencttggt tcgggggttg gatcctctan 240  
aatccctggn gncgtcttcc ttct 264

<210> 1168

<211> 448

<212> DNA

<213> homo sapiens

<400> 1168

```
cggagaagtg ctctcttact tggaattggc tcagtttcac aatgcccacc agttggccgc      60
ctggtgtttg caccacatct gcaccaacta caacagtgtg tgctccaagt tccgtaagga      120
aatcaaataa aaatctgcag acaaccagga atacttcgag cggcaccgct ggccccctgt      180
gtggtacctg aaggaagaag atcactacca gcggtgtgaaa agggaacgag agaaggaaga      240
tattgcacta aataagcatc gctcaagacg aaagtgggtg ttctggaatt catctccagc      300
agtggcctga agaggaagag aaaaaaaaca aaaaacagaa accaatcggt aatctgatcc      360
accacttttc aaagcactac tataaaattc gtcttggttag agatacgaca tagttcaggt      420
ttcgggcact gatcttcctc cacttttg                                     448
```

<210> 1169

<211> 450

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (21)..(76)

<223> n=unknown

<220>

<221> misc\_feature

<222> (236)..(399)

<223> n=unknown

<400> 1169

```
gcagggtcta ggggtgttgtt nggagtggca gttggtccga atttctcccg aagcccgcgg      60
aggagcgggt aagaancccg cgaatccggc cccaactcg ggaacgggat gggaggcggc      120
cctggccgca agcccgcgc tgctagcggg tccaccgcgt cgtagccgac agccgccctt      180
cttctcgcga gcgcgccgcg attcaccagc ctggtccctt ctgcggagag cgatgncgct      240
```



tcccgacacc atgttctgcg ctcagcagat ccacattccc ccgngagctg ccggacatcc	300
tgaagcaatt caccaaggct gccatccgca ancagccggc cgacgtgctg cggtggtccg	360
cgggctatatt ttcagctctg tcgagaggag atccacttnc tgtaaaagac agaattggaaa	420
tgcccacggg aaccagaaa acagacacag	450

<210> 1170

<211> 259

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (191)..(254)

<223> n=unknown

<400> 1170

attttaaga gcactatattt gacattaataa tgtattcttc tctgtattaa tggectacat	60
cttcagagtt ttcaatgctt tctaaaagtt tcctctttgg aaagaagaaa tctgaaagac	120
ctatcatgcc gttcttctctg gcgtctatat tttccttttag agaggcaagg taggattccg	180
tctccaaggg ngacacatct gagtctaatac tgggcaagta gcgggaaacg taggaaaacg	240
tcttgaaggg gatncaaac	259

<210> 1171

<211> 424

<212> DNA

<213> homo sapiens

<400> 1171

ggggctaaag atttccaaag agtgaaagtc tgtggacaaa attctctata catgacttca	60
tctgtcactt tcctattgtg ccaaatttta ggctccctct cttatcttgg ttaataatat	120
tgctcactct ctttttctcc tgcagcataa tcaccttagg acagagctgt gactaatcaa	180
tgcttatatg tccttaatgc ctggccaatt attgaggac taagcattta ttttaattact	240
gaattaaagt attccttaat cctgcttcta tttttttgtg tttggactac actagcaaca	300

tttgcttttt tgtagtggat catagaaacc caatgcctcc tctgcatctc accagccaaa	360
ctcagtcctc tggaacttag gttcctgggt aaagaaagac taaaatatat ttccctgtc	420
tatt	424

<210> 1172

<211> 419

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (61)..(61)

<223> n=unknown

<220>

<221> misc\_feature

<222> (404)..(404)

<223> n=unknown

<400> 1172

cttttctgtt actgttatat tatccagtag agaatgtag gatatgtgtg ctatataaaa	60
naaaaaaaaaag acttggttaag ttttaaaata acaaaaatgg ctagttgaat agtattttat	120
gtgtaattct tccatttatt ctgtttaatt atacaactaa gatgaaatat tgaaaaaccc	180
tttgtgaaag taacttttca agtaaatgca caactttaga atttctacaa ataagttctt	240
ttaaacagtc tttttattgt ggattgtgaa atcaaatct ggagaaatgc ttataaaata	300
tactactagc ttttaagttt taagaaagaa gaacgtaagt tgtacaaaga tatttgtagt	360
ttgacaaact gaatttaaata aaactttatt tcctctcaaa aaanaaaaaa aaagggcgg	419

<210> 1173

<211> 355

<212> DNA

<213> homo sapiens

<400> 1173

acaaatatct ttgtacaact tacgttcttc tttcttaaaa cttaaaagct agtagtatat	60
tttataagca tttctccaga ttttgatttc acaatccaca ataaaaagac tgtttaaaag	120
aacttatttg tagaaattct aaagttgtgc atttacttga aaagttactt tcacaaaggg	180
tttttcaata tttcatctta gttgtataat taaacagaat aaatggaaga attacacata	240
aaatactatt caactagcca tttttgttat tttaaaactt aacaagtctt tttttttttt	300
tatatagcac acatatccta acattctcta ctggataata taacagtaac agaaa	355

<210> 1174

<211> 432

<212> DNA

<213> homo sapiens

<400> 1174

ctcttgacct acaaaaattt gcggtctaac agaagtcacc atgacactgc tacctagctc	60
ttgagtcctgt gttggcctct catgacaatg gggttttgag aagacattgc tgtattttgt	120
ttcctattcg cttccttagg attaaataag tgggggtgga tccagaatct catgtcccat	180
cgatgtcatt tgctgggtaa ccaacagcaa agatcagata tttacctctg acatgcaatg	240
ttcaaatgaa atagtaaaat gtctctatgt acatgtttta tgcctcttta taatatcaat	300
tgaattctat cctttctgaa gtcactacac catttctccc agtataaaat tgtctatgaa	360
atctcagagt tggttctgac actactaatt ttgagttgag tgacctaga caaacacct	420
actttttaag ct	432

<210> 1175

<211> 409

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (306) .. (383)

<223> n=unknown

<400> 1175

```
ggtatttttaa aatgtacaat gtactccatg gagcactcag taggtgtgag tcaccctatt      60
taccacatta tatgcacttt tattttaatt ttcagaaaag cttgatgagt taactattat      120
taacatgcct aactttttata tgagaaaagt gaagcttaaa aagtaggtgg tttgtctaag      180
gtcactcaac tcaaaattag tagtgtcaga accaactctg agatttcata gacaatttta      240
tactgggaga aatgggtgtag tgacttcaga aaggatagaa ttcaattgat attataaaga      300
ggcatnaaac atgtacatag agncatttta ctatttcatt tgaacattgc atgtcagagg      360
taaatatctg atctttgctg ttnggtaccc agcaaatac catcgatgg      409
```

<210> 1176

<211> 226

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (125) ... (125)

<223> n=unknown

<400> 1176

```
agaaaattgg ttacttaggt catgtaggga gttgcaggta gagcagaact cagatgcaga      60
aatatgcttc tcattttttcc aattctactt cagcacaaat gacttgtgga tttgagagtg      120
taacngagaa ttgtacaatt gaaattgtac aattccaaaa ttgactaagg gtttctactg      180
gtaagccaga tagcaaactt cagaaagcca agtcagtagc agatat      226
```

<210> 1177

<211> 294

<212> DNA

<213> homo sapiens

<400> 1177  
cctggccagt taaaaaactt ttcgacggtg gaatacagtc gaaatctgta gtaacgtttc 60  
atggctttcc ctgctgatgt gaacatccgg gtctgttcag ttaacctctt actccagggt 120  
tgttttccac tttggatgcc ggacattgag aatgtcacgc atgctgtgct cttccacatt 180  
ctgcaggctc ctctcagct ctcttctggg atgagggttg gttccatgga tctgttcagt 240  
ctggcgtttg tgcttatgct cccagcagtg cagggggcag cccagggcgg cctc 294

<210> 1178

<211> 567

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (408)..(530)

<223> n=unknown

<400> 1178  
tagttcttta taacttctag atactaaacc actgcagggt ttttgtgagg caagtatctc 60  
tcagttaatg gcatgttttt tattttcttc tggagtttct tgatgaaaag acttttcatg 120  
aatatgaatg ccttaatctt ttgctttatg agtgctttca gtatcttaca ttaaaaaaat 180  
agtttctgcc ctacagctca aaaagagatg ctattgtttt tttttaaggt gttaaagtta 240  
cttctacttc taacaaaaac agtaataggg gcctgattcg ccctcacacc ttaagtaact 300  
aagggaaga acaaaacaca caccctcaca catcacaggg tggtttccac aacactgggc 360  
cgggccaatg actgacagcc gtgccagcca gtgacagctg tgctgangg cgggaaggag 420  
ccgtgagagg gcgccttggg ctgccccctg cactgctggg agcataagca caaacgccag 480  
actgaacaga tccatggaac ccaacctcat nccagaagag agctgaggan gagctgcaga 540  
atgtggaaga gcacagcatg cgtgaca 567

<210> 1179

<211> 383

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (378)..(378)

<223> n=unknown

<400> 1179

```
caaatattct gcatgtcaaa aagaagctgg gtgtacactg aaaaatcatt gaaactactg      60
gatttccttt gaaacaaata atgaagatgg catcaaaaga ataagagtat tctattgagc      120
attgaaacgc ctttctggta ggcattgagg gagatctaga gagatgaaag atacatggaa      180
atcatattat attgaaatat aatatgattt gcattattgt ttgaggcttt ggctaaataa      240
cgttactgat tgtaagcacc tgaaggcaag ggttttatcc accacatctt tgtctgccat      300
agcatttagt cctctgcata caatgggctg tccataatta ctgtagattg gactgaaaat      360
aaaaaagtcc acaagatnaa tgc                                              383
```

<210> 1180

<211> 580

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (42)..(42)

<223> n=unknown

<400> 1180

```
gttgaagagc tcaaggtaat tataggtcag ggtctgcaag tnggaagggc tgaaactagc      60
atcacagcta cttctttcta ttgaaaattt tttacagtcc tttgaagcgg cgtatgagga      120
gagcatccag gaactataat actgggatcc catagcctcc atttattaat ccaagttcaa      180
tgagacccaa tactaatatt tagagaatgt tatgagaagc tataaaaaca ggggagctgg      240
```

aataaatgat gtttaaagtt ccatccaact ctttggattg tggaggttgc tgatgacaat	300
tcttcagcct ccagaaagct tgaagtaatg attgactctg cactttaaac ttgaaagatt	360
cgtgtgagga tccagcaatg ttttgtgaag cattgtaaga agtggagaga tagctgggct	420
cacttcagaa gacccaaatt ttgattcaag actgctttgt tctctcacca gaggcaaaca	480
tatcaccagg ttgccttggg aggagactgc taacaaccat tgagcagaca taacctggag	540
atttgttttg caatgtgttg tataacaatg ttgatttaat	580

<210> 1181

<211> 206

<212> DNA

<213> homo sapiens

<400> 1181

tactctgcgc ctttccgaaa ggacctgagg tagctaaata acacttaaaa aaataaaaca	60
gaagagtaca gtaaatgtcc caaggcaaatt aggtgaatat taaatattca gtacttcttt	120
cagaagagaa ggctgataga cttgaagaga tgagcgtttc tgggaaagtt agggtttgag	180
tggacctaaag gatgaagatt tggctg	206

<210> 1182

<211> 219

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (173)..(218)

<223> n=unknown

<400> 1182

cccagaaacg ctcactctct caagtctatc agccttctct tctgaaagaa gtactgaata	60
tttaatatct acctattttgc cttgggacat ttactgtact cttctgtttt atttttttaa	120
gtgttattta gctacctcag gtcctttcgg aaaggcgcag agtattgaaa tantattnat	180
tattatgttt gagacaaggt ctcgctccgt cgcccagng	219

<210> 1183  
 <211> 286  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (146)..(163)  
 <223> n=unknown

<400> 1183  
 catcagttct actgtaatat cagtgtcagt ttttaaaatg tgaaataaat gagtgtctctg 60  
 tagcagtga acaggagttt actcacaagg tctgaggaag gtggattgca gatgtaaagt 120  
 ggctgtgggt cctttccttt taatgnangg gagatttatg gtncatccga agtcatcatt 180  
 ctccacaact cagttttgtg ttttttggtt gtgtttttca tttattatat aaaaaccatg 240  
 gcaaagcact aaagaaaaca aacataaagc cacactgtaa ctcttg 286

<210> 1184  
 <211> 596  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (549)..(592)  
 <223> n=unknown

<400> 1184  
 gacagaacat atttaagtcc tacttttagc atgtgaagga gctagattct acattttctt 60  
 aaatactctg atgagttaaa tggaactaac actcaaatgc caccaaattc cccaccact 120  
 gatagttaac aatgacagca tctccgactg cttcttgcac ctttgctatc tgcttgactc 180



cattctgagt gctttgcatc aattctcctg taattctctt taatatgaga taagtatccc	240
cagatttaca gatgaataaa actgagactc agctcacaca gcaggcccaa gattgtccag	300
ttaaataagg agcacaagca ggatggaagc caggccagtt caactcaaag ggcctcactt	360
aacaccaagg cctactttga agggtgcaag acttcaggct tgtatcctca ggtgggctgt	420
aaaataagag gcctggacta cactagctct aaatttgta cccagtatgc tacagttaat	480
ttaccaagat acatagtgc aaaacaagga aaaagattaa cgtcactttt tactatgatt	540
ttgtataana taattggaat ttaaaatagg ggcccaaaca ttatctttat gnaaca	596

<210> 1185

<211> 354

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (260)..(269)

<223> n=unknown

<400> 1185	
ggcgaccctg ctgtcacaag gacaggggag gaagaagcca ccaggcgggg ccgaaccag	60
ccttctctg gacaactgca tccctttgtt caaaacacac ttccagagat cggattcggc	120
cccaggcacc gtgccaggta ctggagggtc agaggagggt ccaaccccg tgccttatcc	180
catcatagca gtcacaactg ggctaagtct ttgaatcctg ccctttcaaa gactggattt	240
tgaacaagtc cttctaaatn annggnttnc cttctctctg aactgggaa gagggagagg	300
agaaatctgt ctttcaggcc agtgtctctg aaggatggga tgctttctac tggc	354

<210> 1186

<211> 338

<212> DNA

<213> homo sapiens

<400> 1186	
ttgtttgggt tgatttggtt atggggttagc aatctgaaag cagttaccat tactaattct	60

aaaaatggat tcaaaatagg aacacttcca aattagaagc atttttttaa aaggagtctg	120
aattcaaaag tctgacttta tctttatcaa atgcttttgg caatgttgaa gaaatcttct	180
gggagaaatg taataaacat ttcttggagg gacagcatag agtgcaaaca tctcaaacgt	240
gattcacttg cattttctga acaatgcttt tgcctactct gagctgttgg ttccagtatt	300
tggagtcccc atgacagaaa tccaaaacca cttctaga	338

<210> 1187

<211> 408

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (83)..(111)

<223> n=unknown

<400> 1187	
cccctttttac tcaacttttc cttttaacgt ggctatggcc acccctggct taatgctaaa	60
actcatagga caaaatgtac tttnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngcagttgcc	120
aaccgaggca ttttctgact cgtcagaaat gtgtgtgcgt gccagctgcc ctgtgctcag	180
ccaccttagg agaccattg ctctgtcgcc atagtcttca tgtcccggtg tccagatacc	240
cctctcattc ctatgatctg gaaacttcca cgtcatgagg gtgggagggg tgaggaaggt	300
accagaatgc tcttagccaa tcagggttc tagcttgcca cacaaggttt ctagtttcat	360
ttgacatttg tggacatttt aacaagatcc tgttttgagc ccaccaag	408

<210> 1188

<211> 418

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (291)..(411)

<223> n=unknown

<400> 1188

```
gtccatgtaa caaaggtatc tgttgcaagt ttcattttga ttacattat tgcacacaca    60
ctgggctaga tttctttttt aaagactctg gtcttcacc ccaaattctg ggcccttgct    120
catttggggt attgatactg aacatataca gccaatatgt gtattcaaat ggagccctaa    180
gatccacttt gcagtactag atgtgtagat ttacctatct ttagcctaata acctttcttc    240
atztatcatg tattcttagt cgcaggagct gctcagctcc tgatttctgt nattactgcc    300
caggnatcct cccttcataa gacatgccta tgaaatggac acaaaaattt ggaacacaac    360
aaatctaaga cttatcataa tagttttttg ttnattggt aagatttngn natgtcct    418
```

<210> 1189

<211> 525

<212> DNA

<213> homo sapiens

<400> 1189

```
gtgaatctca aataactaac actaacaag gaacatactt tggggatgca gatctcaagc    60
cttacaggta actgtaatgg ttgtaacatt cacatcttaa aataaaatct ccagggaaaa    120
taatctggaa ttaattccaa ccaattctaa tgagaattga gagaacttat ctctatctca    180
tgatttcata ttcttgatat gtgagctcag taaaattact ttaaaaatat gcaaattcca    240
tttcataag tcttttatac tatcagcctt gagacttgat tcataaagaa atatttttct    300
tttttttggg cagccttgca tcatgatcca ttcataggga agtgcagagt agattatttc    360
catgaatagt atgcaaaaag aaaatttatg aaatccttca agttattttc agtctggcat    420
gggtctatct gttgttaaca atgttgccag tcataccacc actaaaacta tgggggaactg    480
ggggtcacaa aagaaataac acagtaattg ctattccaat cagag                    525
```

<210> 1190

<211> 400

<212> DNA

<213> homo sapiens

<400> 1190

```
agaagcagtg atggaattta atttggacac aggctcagga ttaagctggg aggggaactgg      60
gtggagaagt gaaagttgca cagacactgt tgttttactc caccgagctt tactcatcac      120
aggctgctcc agtgggggctg ccagtcactg cccctgctg cttgaagaga gaagtagggt      180
catgactcag gccttgccat tcacagcatc tcattcctct ggccacagtg attggcccag      240
ggatgggcat gtgactcaag tgaggccaat catcatcctt ctctggaatt ttatagtcac      300
tatgagaaaa aagctctttt ccctgggatc ccagcaaggc ctcactggg ctggaatgat      360
gaaagcttga gctagctgtc tgtggccatg tttccacatc      400
```

<210> 1191

<211> 242

<212> DNA

<213> homo sapiens

<400> 1191

```
ggaaaagaag atctgccatt aacaggtcac ttttggatta attgtacat gactttaagt      60
gatgatcctc aactcattta agattaaaga gccaagcata ttgcagtgga catacagaaa      120
agtcatgata atcattgagg atttactaag actctccatg tctcagcttc aagccagtgg      180
caagtaaaaa agagaagaga aaataattta aaaaaagaat ctccatgcca gcttccactg      240
gc      242
```

<210> 1192

<211> 76

<212> DNA

<213> homo sapiens

<400> 1192

```
actctaggta ttccatataa ttagaatcat gtagtattag cccttttgta tatggcttgt      60
ttcatttagc acaatg      76
```

<210> 1193

<211> 359

<212> DNA

<213> homo sapiens

<400> 1193

```
(
tcacgttacc tacctactct tccaggggaat ggacatgcag attgccttca taccctccca      60
ccacaggaaa tgctgaaatt aataatctca tacatatccc tttatgggcc agtttgagaa      120
tttcttaggt cacagaattt ctgggtcata ggatatgagt ttacttgact aagtgggtgcc      180
agattctctc cggattgggt gtaggagtcc agactcccac cagtatggaa tgagagtttc      240
catatcccac atctgtatga acacagcact gtgtagctgt ctcatagtta tcagtctaaa      300
aggtataaag tagtatttct ttgtagtatt aatgtgcatt ttcattgcc agtgatttt      359
```

<210> 1194

<211> 264

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (180)..(238)

<223> n=unknown

<400> 1194

```
ataagagggt atcagcagag tctaaaacta tcagagagtt aatatctaga aaacataaac      60
atttgcaa at taacaagaaa aagactaatc ccaattacat tttaacaaaa ggtacaaaag      120
gcaatttaca aacaagctga aaaagctaac aagcataaaa gctatttcaa aatcactggn      180
aatgaggaat gcccttaata ctncaaagna atactacttt ataccttttn gactggtnac      240
tatgagacag ctacacagtg ctgt                                             264
```

<210> 1195

<211> 196

<212> DNA

<213> homo sapiens

<400> 1195

tgggcatccc caccgagggt tctttatctc cttggctcgc cagcttcgct ctgagctcag 60  
cttgctactg ctctctttag acaagagaag tgggaggtat tccgaggcgg aacccccgagt 120  
tacgccgccc gcggccgagc actaaagatg aggttccagc tgggaggcgg ctgcgtacga 180  
aagtcctccc tccctc 196

<210> 1196

<211> 379

<212> DNA

<213> homo sapiens

<400> 1196

atgaagggtt acaaaaagag atgagcctgg catttctaatt tcgggggcct tgggacctct 60  
cccctccaag tgcaagttgt agcaacctgc cgggtccacg catggggcgg tcatactcca 120  
cgggttcggg tttccactcc ctgtgaacca aaagccagag agggccacgc acgactccgg 180  
aagtgaggga gggaggactt tcgtacgcag ccgcctccca gctggaacct catctttagt 240  
gctcggccgc gggcggcgta actcgggggt ccgcctcgga atacctccca cttctcttgt 300  
ctaagaggag cagtagcaag ctgagctcag agcgaactgg gcgagccaag gagataaaga 360  
accctcggtg gggatgccc 379

<210> 1197

<211> 436

<212> DNA

<213> homo sapiens

<400> 1197

gcctcgggtg tcccacctag gggcgggcag ccaggggcac ttccgctggc ccaagtgatc 60  
tgcatgtggc agggctgcgc agtggagcgg ccagtgggca ggatgacgag ccagaccct 120  
ctgccccagt cccccggcc caggcggcca acgatgtcta ctgttggtga gctgaacgta 180  
gggggtgagt tccacaccac caccctgggt accctgagga agtttcggg ctcaaagctg 240  
gcagagatgt tctctagctt agccaaggcc tccacggacg cggagggcgg cttcttcatc 300

gaccgccccca gcacctatatt cagaccccatc ctggactacc tgcgcactgg gcaagtgccc 360  
acacagcaca tccctgaagt gtaccgtgag gctcagttct acgaaatcaa gcctttggtc 420  
aagctgctgg aggaca 436

<210> 1198

<211> 234

<212> DNA

<213> homo sapiens

<400> 1198

ggggagtgag ggaagcagcg taggacagag gaaaaaaact gagtaagaat gtgctctcag 60  
aagaagactg acttcagctt gattccatga ggagctctgg gaaaggaagt tccttgatgt 120  
aagaggtcag tcttttgtac ctccatacaa gaggtagcaa ttcttttcta gagatgggtct 180  
caaaattaga atacatcaaa atcacttggg gggtttggtg aatcagaatg ctgt 234

<210> 1199

<211> 422

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (419) .. (419)

<223> n=unknown

<400> 1199

tgcccgggct gcgggcatcg cgggccgcga gcgcccctgc ggccgtgccc ggagaccagg 60  
aaaacgggcg ccacggccca gggcgccctc gagttccccg ccaggactcg gagggccagg 120  
agggcgcgac ctgggtggat atttttgttg gacggcgcaa ctcttggggg ggcccgggag 180  
cggcggaaac cgagcgagag aaccaggagg cgctgcgag aaggaggccc gggggctccg 240  
aggcgttgag gggctcgatc tgcgttcttg ggtccctgag tgccagaggt ggtgggtgtg 300  
cttatcttct ggaaccccat gcagccagat cccaggccta gcggggctgg ggcctgctgc 360  
cgattcctgc ccctgcagtc acagtgcctt gagggggcaa gggacgcggt gatgtacgnc 420

tc

422

<210> 1200

<211> 478

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (58)..(160)

<223> n=unknown

<220>

<221> misc\_feature

<222> (279)..(453)

<223> n=unknown

<400> 1200.

cttggaat	tacagggta	cttatcaaca	aaataactgt	ccatccggtg	gggaagtncc	60
atccggtggc	ttctatgtac	aggcccatcc	ctgggaacca	catttccaga	gggggcctcc	120
ccctgaggcn	cccattggcc	ccctcccagg	tatccaagan	taaatcacat	ggtgacagct	180
gccggcatgg	gtgagtggga	cccaggccta	ttaccgggcc	agagggtttg	ggggcctctc	240
tcctggaagc	ctgctctttc	cacacccctt	ttcccagcna	ggctgtcttg	ganactcccg	300
gggctccgct	gaggggcaca	tgattcccgc	tttggncttc	ttttganatg	tcattttaac	360
actgaggcat	cctggcctcc	cttcccggaa	gatgggttat	ttgcagtgct	gtcttgtctt	420
ttagtccegg	ttttntaca	aaaacnatga	nantcccat	tggactgtat	tttttccc	478

<210> 1201

<211> 432

<212> DNA

<213> homo sapiens



<400> 1201  
gagctgagct tgaacagaac agaccctcag cacggccctg gactaatgca ctcttatctg 60  
agggcagtcc attctagaag gttgatgaat ttccctacca ctctcctggg gaccttttct 120  
ctctagtggg aacaaatgct acataattta gtcaagatcc tattaagtca tctcacctga 180  
ggcatctgga gagggagttg ccttccattg gtgggaaatt gttggtgcca gaatacattt 240  
tgcccaaaac tcttctcatt ggctggccac ctagcagggc tcctctaaac acgcaactca 300  
gcgagggggac ccccttcacc tctggcaaga gagctgggta gatcagaaac ttggtgacac 360  
ctggctagca cagagcaggc tcacttgtct tgggtcccata ccagattcc tgcagacatt 420  
gcaaaccaaa tg 432

<210> 1202

<211> 441

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (300)..(300)

<223> n=unknown

<400> 1202  
tggaggagga ggtgcttgaa cacagctgtg acccgctcac ctactggaac ctgaagaagg 60  
cgtcctggcc ggggctgtcc gcgctggccg tcagattttt gggctgcccc ccaagcatcg 120  
tcccttcaga aaagctgttc aaacacacca ctgagaacgg tagccttggc caatccaggc 180  
tcatgatgga acattttgaa aaacttatct ttttgaaagt gaatcttccc ttaatatact 240  
ttcagtattg aaactcacga cggcaccact aggccagagg cgtggctgcc ccagcggtan 300  
agcctgtacc aggtctatga cccgctctgc ccacggctgt gtacgacatc agaccaggca 360  
tctcagggcc gctctccagc tcaccacagt gtctccacgt gccttaccac ttctccttca 420  
ggccaagttt cgcgggggtgt t 441

<210> 1203

<211> 208

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (47)..(190)

<223> n=unknown

<400> 1203

ccatttataa atacactaaa acatagtcaa tgcaaattta gattaancnt acgtagagta 60

tttcaacaaa acaactttnc taanagntcg tangcaaag agngattagn ctcacnengg 120

ntatttaatt ggtaaataatn agaaaatgaa nctntnnntc tctnnanaca tnactttnaa 180

antcatctgn caactgacac ttcactct 208

<210> 1204

<211> 305

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (114)..(114)

<223> n=unknown

<400> 1204

aaacttttaa aagtcaggat ggaatcctga ttccaagctt aggttctgaa ccactgggggt 60

aggctgtgta gtactacatt ttctgtggaa cgtgggtatcg gtaacatggg aganacaggc 120

tgtgcctcag gaagatgccca catgggagtg cacagcagtg ctgtagtgcc tcgtgtttat 180

gtgtagtccc aggtgcctgg ctgtaaacia ctgcagggca gtgaccatca cctctgcttt 240

tctgcatccc cacacttctt aacacagtggt ccccccaaag tgtgcatcca atggatggat 300

gaata 305

<210> 1205  
<211> 72  
<212> DNA  
<213> homo sapiens

<400> 1205  
cacatctcca tggatatctct tcctttttctt acaagaacac cagtcacatt gaattagggc 60  
ttaatggcct ca 72

<210> 1206  
<211> 302  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (24)..(24)  
<223> n=unknown

<400> 1206  
gtttaaggaa aacaaatatt tggnaaccaa agttctatac agagttttttt aagaacagga 60  
atttttagaaa gtatatctta atttgcaaaa ctcatttcat taataagctt gcctagcata 120  
gtacaaacat gatttagttg ccaaacattt gacattaatt tttcaggaag acacccactg 180  
tattaatgat gatatctgag ctacattagc atatccagtg ctcagataga ttagtggcag 240  
gtcagaattc agatccaggc caaagaataa cacgagggtg tcaactgtagt cttacttcta 300  
ga 302

<210> 1207  
<211> 422  
<212> DNA  
<213> homo sapiens

<400> 1207  
acaattttat atttttccaa gtgtataaaa actctcagag tagagattta tgtctgttgt 60  
accagcagac agattattta taaattggga aagggaaagt ttactttttg ccaaactgag 120  
gcagaggggg tgccacctta atatcttggc ctctctccaa cttcttttca caatccacca 180  
ggtaattgac tccatcgatg actatctgaa caagctcaac ctttgacagt gaagaagatg 240  
aatgattaat ttgaatagaa gcctctgcag ggcattgatt aacaggaaca gcactgtgat 300  
aaatgagaac ttgccactta gatggacttc acaacaattc cttccttctc agaaatggaa 360  
ggcagagata taagggttct ctcaatcttt ccatagttaa gatggggata ctactttgta 420  
tg 422

<210> 1208

<211> 389

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (286)..(370)

<223> n=unknown

<400> 1208  
tgcttactgg tgagggttgag gaatatcaca ctgctctttc cctttaccac tgtgggtttg 60  
acttaagaaa gcaaaactca ctaagtttac ttctcgaatt gaagcaagtg aggcctgaca 120  
tggttgatcat cactagtggc aaatgacctt ccaagtaagc agatgggaac tgaattgtgt 180  
tttcagggtt tgtttttagt aggtgatatt cattcgtatc cagctcttta ttacatagct 240  
ctgaagttaa aatgatttac ataggccgag ctgtggacaa acaaannaan agaagcagca 300  
gctttagta tgcttaagct ttggggantt tnttttaagg ggatctaaaa aaatgttttt 360  
agaacatgtn aaatgtttta tggtgaaag 389

<210> 1209

<211> 401

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5)..(395)

<223> n=unknown

<400> 1209

```
tgcancctaaa ggcaaaaaat agccattcct cgtactgaaa gaaacaagtt actcagatag      60
gcaagaagaa cagatattta ataaggnaat attccttcct gttcccantt tcaaggaggc      120
ctcntaagac atgaagagga ccnaaataac nattgnagta taacttcaca tgggtggggtg      180
ggggggtgtng agttcaaagtg tgggtgacn aaatantggg gttactttcc nttagacttg      240
attccaacat gtnnaaaaaat naggnaacttt antgggagtg antttaactt cagtantnaa      300
agggcaatgc cattaagagt taggggagtg tntctcaaac ttctcctca gangtgcttt      360
agaaattgan tacnttggg ntgaatttaa ttttnggaat a.                          401
```

<210> 1210

<211> 445

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (25)..(47)

<223> n=unknown

<400> 1210

```
acccgcggg gcagccatgc ctggncgtct gctgcggggc ctgtggnagc gatggcgccg      60
ttacaagtac cgcttcgttc cctggatgc actgaacctt agccacaacc cgaggtagac      120
tatatcagaa gtatgagccg atctttttcc agtccattgg aaatccgttt attttttagat      180
gcctggatgg ggtactcatt gatgggaatg acaaagggat atcaaaagtt gtgtacagat      240
cttgcaatgg gagggatcga ctgggccctt tagaaatgag tgatagtaca tggctaactg      300
```

cagaaattca taaccctctg gctgtgggac agtatgtcaa caattgttcc aatgacagag	360
cagctaattgt ctgttatcag gaatttgatg tgccctgcagt tttccctata gaactgaagc	420
agtatcttcc aaacattgcc tacag	445

<210> 1211

<211> 335

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (30)..(331)

<223> n=unknown

<400> 1211	
aaaataaagt ttttacagaa gtttgtacan atcagcagna ctacaagaac tgctgatgcc	60
tggttacaat tttataaacc accacagagc ttacaaaata aacaaaagaa aaattgnaat	120
tataagttca aagagtaggt tttaatntaa taagctattg tgtatntaggt tgaaaaccaa	180
tnaaacttgg nattgcatta naaatttggn aattgtnatg nagcaagtag cttttatcat	240
gaaattggna cataaatata atatcaanan aaacataagn anttcctatt ccaantaagt	300
ctcaaaatat ttgtttngca ggtagaactc ngaga	335

<210> 1212

<211> 324

<212> DNA

<213> homo sapiens

<400> 1212	
cttagaacct taaggagaca agcgaaccaa gccataagc tttccatgat gctgcttaga	60
gttaaacaga gccaggtac taagttatgt catggagaca gtgaactaac ctctggactg	120
cttgctacat gagacaattg attttcttat tttctatgta ggggtgtaca tttcctcatt	180
ttgagatatt tcttcaacat atagcttttc attagtgggg attttgtcaa ttataaccaa	240
aaacaatgtg acggataccc aagatgtttc atgttgtagc ttgggtgaat tacacatttc	300

tgaagccatt acacttcccta gttt

324

<210> 1213

<211> 101

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (58)..(58)

<223> n=unknown

<400> 1213

agacctgaat aatacttgct tctgatctgc atgtccaaat actttcattt ttcaagangc 60

aatggtatatac caacgtcaga acaaaggaac actttatgct g 101

<210> 1214

<211> 336

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(319)

<223> n=unknown

<400> 1214

gngtcagcng cgganggaat gcnggcngca tcgcggcggt cgcngccttg gggatgggag 60

ganccaagcc gctagtgtg gtngccgccc ctgctgcccc agctggagcc cgagccnccg 120

cctctgcgtc cgcgcgtcgc tgcttcccag ggcggcggta tgctggggaa aggagtagtc 180

ggcggtggcg gcggcaccaa ggcccccaag cctccttcg tncnctacg taagcgtttt 240

tgaaattcac acaaacnaaa aggnagtaac agagaaggaa gtaactcttc acttggtgcc 300

aggtgaacag ctgctttgnt gaagccagca cagtac

336

<210> 1215

<211> 444

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (155)..(178)

<223> n=unknown

<220>

<221> misc\_feature

<222> (408)..(411)

<223> n=unknown

<400> 1215

ctgggggaaa aaagacaaca gagctatttt acaactgtgc tattcccccc aaacttcacc 60

aaatgcagtt catacattca ggattttctgt cctttgtgtt tatgtgtgtt agggggtaga 120

gtaactgaga agctgggaaa aaaagacaac ggaancacaa ccacactgtt gcccacnnac 180

tctgccaaat gcagcccata catacatcat tatccaatgc agattcatca tcacccaaga 240

aggcaatctt gaagtctgtg cagacaagcc tcccatagac cccatgctga caggaatctt 300

cctggacata cttcagtact gtgctggctt cacaaagcag ctgttcacct ggcaacaagt 360

gaagagttac ttccttctct gttacttcct tttcgtttgt gtgaattncc nagggcgtag 420

gtacgacacg aaggaggggt tggg 444

<210> 1216

<211> 313

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (210)..(210)

<223> n=unknown

<400> 1216

gattacagaa tgaaaaaata atagaacaac aacttcttgt ggatcaactg agtgaagaac 60

taacaaaact taacctgtca gtgacttctt cagctaaaga aaattgtgga gacggggccag 120

atgccaggat ccctgaaaag agaccatata ctgtaccatt tgatactcat ttgggggcatt 180

atattttatat cccatcaaga caagattccn ggaggggggaa tcacttgcaa ggtccacaca 240

agtccgccta tgtactctct ggatcgaata tttgctggat ttcgaacaca aagtcagatg 300

ctgttggatc acg 313

<210> 1217

<211> 270

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (38)..(105)

<223> n=unknown

<220>

<221> misc\_feature

<222> (223)..(223)

<223> n=unknown

<220>

<221> misc\_feature

<222> (13)..(13)

<223> n=unknown

<400> 1217  
gtattcgcag tcnatggctc attttcttta tagtaggnat atggatcttc ncctctgant 60  
ttgaatatca tttggtgtgg cctgtgggtt attttcattc tttancacca aataaagcgg 120  
cttattagct actcagttac ttgctactca aaggtaggt cttccctgtt cctgcttggc 180  
agtgttaaag cttacagggg taacttatga tgattctcct ggntcatttt catcagaggg 240  
atgatgactg gaaagggatc acatgggtcg 270

<210> 1218

<211> 85

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (28)..(84)

<223> n=unknown

<400> 1218  
caaatacaaa ttttctgtta agaacggnaa ngtgcanact agnagagtca atactggtaa 60  
ccagaacgca ctantccnnn cacnt 85

<210> 1219

<211> 346

<212> DNA

<213> homo sapiens

<400> 1219  
aaaagagctt ctttttcaag tcagataatt acttttagaa attttctctc aacgggttcc 60  
tccttgggtc ctggctcctt ttctccaccc ctcttgggg cctctgagtt cctcaggaag 120  
tatttccagt atgggctgtg ggttgctgca aggctgggg ttttcttggg aataggcact 180  
ttgccacatg agcatttgac agtcaggtct cgcagagggg ccgttcatca ccttgctact 240  
agccacaca ggaagaagag gctggactca gcctgtaaca gaaatctgta cagtttggtg 300

tgtttatttc ctgacttggc ttagaattgt gatgatgatt gtaaga

346

<210> 1220

<211> 368

<212> DNA

<213> homo sapiens

<400> 1220

cagtgggtg atcacggctc actgcagcct cttgagtcaa gaggcaagaa gttacaaata	60
accacagatt gccagttctt ggttttacta tcatgtatta agcactaggc accgagggca	120
caacaaccaa tgagacagag ctttccccgt aaaggagaac acatccagga gagagacata	180
agtaaaacag taacatgtca agtccaagt cactacagaa taaatacatt gagtcggttg	240
gatccagacc cttcctgtga gtcttagggt tccaggagat gcctggggga cttctagagg	300
gaaaagagga tggggggccc atgtcagct tcctcctcag cagttcctcc ttcactcttt	360
tatatact	368

<210> 1221

<211> 407

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (29)..(29)

<223> n=unknown

<400> 1221

aaagagtttg ggtgttattc taagtgtant gaaatagact gatagattcg gagcaggaca	60
atgatatact atatttcac tttctaaaaa gatgcacatt ttttcacctt taatactggg	120
gcacttccta cagttgaagt gatttttaaa aagcagtgca aaatagggtta atttgtagag	180
tttttttttt ctttcttagt gggttcagaaa ataattttgt tctttttaat gagtggagtc	240
ttctatttga ttttaattcag taatttatat tttttaagta cagtgtttct gttttccagg	300

ttgctttttg gcaatggggg tagaggagca ggagaaaact caggatatct tctaggatat	360
tggttataat agctccaggg ccacacatat tggtagctca ggctaga	407

<210> 1222

<211> 414

<212> DNA

<213> homo sapiens

<400> 1222	
gttggatatca tctgttgccct tggcgatcac tcagtgatga gtcgtcagta ttttgacatg	60
tcccagtgcct tgctgtacaa gaggggactc agatcaacag gaagactctg aagacaggaa	120
cctgcatggg atcttacatc tttgatactt ggggtgctgat atgaagcaga gttgttgatt	180
tactttatct aggcccttct ttcttctcac ctggatcaag caactgagaa gtgtatcagg	240
agacactgga tacatatctc tatgaaatag agagggccat cgcagggcct ggtacttaac	300
tacattaacg ttctaaaacc cagtttggtt tacgttgtct ttcacagtag tatatttagc	360
tcttctctgg aaagttgtgg gtaatataat tccttaaaca tgaaaatgta atta	414

<210> 1223

<211> 153

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (133)..(144)

<223> n=unknown

<400> 1223	
ccgacacatt caatcacgtc ttgcggccct tcttcgagaa gcgcgcgaaa acaggacgag	60
caaccaatag caaccgaggg cggctgcggc gcgcgcggag ggccgggggc gcagggtaaa	120
tccggggcga ganctggcgc gaancttacg cga	153

<210> 1224

<211> 242

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (242)..(242)

<223> n=unknown

<400> 1224

gaaatctttt ctgaatgac aatgcatttc aatttacgaa taataatggt tattggggaa 60  
ctgtttatta tagataattt taagggtgat agctatttta aaggggggtcc atttacatca 120  
aacagctgat cagaggactc tatctaaatt gtgatcgtgg cagatagaga tggagtcattg 180  
tactctatct ggctctacac atcaatcaca tcttgattca aacctcacia ggcaatattc 240  
cn 242

<210> 1225

<211> 492

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (417)..(470)

<223> n=unknown

<400> 1225

ggtgggttaga caccctcggt ttccactcct gtcctctctg aggtcccccac acggcattta 60  
gccattcagc tccttcgccc cctccagtct gaggtgttgc ctctgtctgg ctttcatgac 120  
cttgaccctg atttgtgtgc acgggtcagg tgttttgcag aaggcgtctg agtccacggt 180  
tagtctctgt cgctgtcacg atcagacgat cagacggggc ttcagtgtct ctgctcaaaa 240  
ccccagggat gatgctgtgt caccctccca gcgtcaggct gggaggcaga cgctgttggg 300

gcctctcatg ccgggctgtt gaccttgatc ctttggttaa ggtgttggct cgggctcccc 360  
atgcagttac cctccctcgc gcgttactga gcatgggggt ttcgggtctg cgtcttnaca 420  
gatattcgag tctccaagga gattctgcct gntcattctg ctgtgtcann gcgggggtggg 480  
gggtggaatt tg 492

<210> 1226

<211> 371

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (341) .. (369)

<223> n=unknown

<400> 1226  
ggcatcgag gcttgacact gcccaacggc ggtgtggagg gtgccgtgct gggcaagggg 60  
ggcaagccac agtttgggct gggcgagctg tctgcccatg ccacaccggc cttcactgcg 120  
gtgctcacct cgcccttccc cgccctgggc atgcccgtga aatttgaccg gactctctac 180  
aatggccaca gcggctataa cccagccact ggcattctca ccttgccctgt gggcgggcgt 240  
ctaactactt tgcttacatg tgcacgtcaa agggcaccaa cgtgtgggtg gccctgtaca 300  
agaacaagtg cgggcaacta tacctacgat gagtacaaga ngggtacctg gaccaggact 360  
gtgggcgtnt c 371

<210> 1227

<211> 483

<212> DNA

<213> homo sapiens

<400> 1227  
cagttaacat ggttgcttgt cttttcaaaa agaagttcca ttttcttga ttcccaagtg 60  
catttttctt gaatttctg tgatacaggc cacatgatag gtatgtagag agctaagctt 120  
cctataccaa gttagaagtg aaatgactag tggaaaacat ttaaacttta atcttaaaaa 180

aaaaatagga atcaatataa aaatgcacaa ggtaatgtcg ttttcatagt taaaatctga	240
cattgtttat caaagctagt cagttaagtg gacacctgca actcaaatcc cataaacatt	300
ttagaaacgc caaccacccc tcctgaaagg tttgaggaat gaaatttggc agaagctcag	360
ctctgtgaaa tagctcccgt tttttttctt gggaccctac ttagttccgt gggctcccat	420
tgggagctga ttaaatttct gccaatcaga acccatcccc taacacatca gatgatagtg	480
ggc	483

<210> 1228

<211> 369

<212> DNA

<213> homo sapiens

<400> 1228	
gcacaatggg agtctgggac ttcaaggcac agcagagttg ctccgtctct ctaaggcact	60
ggctgatgtg gtcattcccc aggagtacgg gatcagtcgg gaggagaaac tggaaattgc	120
tgtgggcttc tgtcttccac tgttgcgga gatactactt gacctgcaga gaaccacga	180
ggatgagtct gtcaacaagc tgcattcccct gtactcccga ggcgtgctct ccccaggctc	240
ccacgttcga acgcgtctct atttcaccag tgagagccat gtccactccc tgctcagtgt	300
cttccgttat ggaggacttc ttgatgagac ccaggatgca caatggcagc gagctttgga	360
ttatcttag	369

<210> 1229

<211> 441

<212> DNA

<213> homo sapiens

<400> 1229	
agtggagttc tttctgattt atgcagctga aataataaga gcaataacat aagcagtga	60
aatgagacag tggagtatgg ggagcaaaaa ataagtcatt aggcagatga tcaacagcca	120
ggataaaaaat gagtgacatg aaaggatata ctcaaggacc catccggccc acaaagaaag	180
aggtggcctc tgactgcagc gcacatgaag cctgctcaac agcctctggg catgtgaaat	240
ctgttctata cgctgaggct ttatagagaa acgcactagc tgggtgtgat ctcccaatac	300

aagtttcttc tggcggaag gatcgtagt cggatgcttt gcaaacgaca cagaaaatcg	360
ttttacggcc gggacaaaca agagctcatc tcggtgcttc agactggcag gtggtagctt	420
tttgccatgg ctgcgggcgt a	441

<210> 1230

<211> 439

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (34)..(48)

<223> n=unknown

<220>

<221> misc\_feature

<222> (398)..(439)

<223> n=unknown

<400> 1230

cccattgtta ccaatgatgt gattatgaag ttanctgaat ctatggtnta catttgaaga	60
aatagttcag aattctctac tacattgtaa gttacttgct aatagagatt gggcattatt	120
atgtactact ccccttctca catcctaccc aaagtacaca aggccgtagt aaaatactgt	180
tgctactaaa aactaaacat actgtggttg ctaatgtcct ttacatcttc agcctatagg	240
gaatggtaca ggcagaaaca agcaccatta agtatattat catcagtagt gagatctgta	300
tgattaggat atctttgctt aagcccccaa aggaaaaatt ctctagcatt aaaaacatgg	360
ctggaacata gctaagcagt taacctaatt agtagacnta ttgttaacgt tcagtcctaa	420
aaatgaaaag cttcagtn	439

<210> 1231

<211> 500

<212> DNA



<213> homo sapiens

<220>

<221> misc\_feature

<222> (312)..(312)

<223> n=unknown

<400> 1231

```
tggtgtgtgt tctactgggc ggtgctcgct cactaatatc caatcctagt atgattttct 60
tttacttgtg tctattaaca gggttatgtc acaccttgtc aacctcaaaa cagatgatac 120
tcataccttg tcttccatct tgctgttcta ttatcttcct acaaaaatag ctaatttgtc 180
agatttcaaa gccttggttat ttactgatga gcttaccaac tggacctttt gtatcttcag 240
tgtgtaattc tgaagatgca ttctgatata ctagtgaact gggggtgacg gtgaaggggt 300
ggtggaacta angggggtggg gcggcgaaca taggcaatat gccatttcct caccatccca 360
tgcttgatcat gtgagacaac agaaaggata aagaatactc tattttttat tctgaaaaga 420
taattatagc aatgatacct tccattctgt ttatttctgg atattttggc ttcaacaatt 480
ctttatatca tattttattc 500
```

<210> 1232

<211> 410

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (310)..(408)

<223> n=unknown

<400> 1232

```
aattattgta ccagggcccg ccgaggcacg aggcactcta ttttgttttg taatcacgac 60
gactattatt ttagtctga tcaatgggca caatttctaa gcagcgcagt ggtggatgct 120
cgcaaaacttt tgcgcaccgc tggaaacca ctaggttgag ttgcaaaacg taccgcgtag 180
```

acgccccctgg tggcgccgag agaagagcta ggcctgceca gcacagagcc ggagagcgtc	240
gggccttccg gaagggtcga cgagatgagt tcctacttga cctctgagcc gaggtgggcc	300
ggaaaccgan gcctaagccc cgccggggct gcaaggaaaa ggggaaactc cgagcgtang	360
cnttttcctt gtggttcctt tctcccggca tcnccgactg cgggcccntg	410

<210> 1233

<211> 492

<212> DNA

<213> homo sapiens

<400> 1233	
catccacaat tgaaatTTTT ttctaagaag aaaaggagaa taatgtattc ttttcaactcc	60
attagccctt gcagacatta atgccacaat ttctaattgct cagacttttc tccttccatt	120
tagaagaaat ggccccaggc aaagaaaaaa gttgcctgga ctgatgtggg gagcctccta	180
tgcagatagg tgtagttaac aggtgtgaag agattaagtg acacctaaag tcccagggtc	240
ctggctgaga tgtttgggcc acgggtttcg attaagatac accataggct ctacacgac	300
ggccttgggg tcagcattct gaattcaaag atggggcttt tgctcaggac ctgaaccac	360
ctggtactaa atctcaattt tctcccctgt ttaaaaaagg gggcagtttt aaaaatccct	420
gctccgttga acccactaag gaggtccag aaagtcaaga acgattggca gaaacgcttt	480
tcaggcctca ga	492

<210> 1234

<211> 428

<212> DNA

<213> homo sapiens

<400> 1234	
agttcttgct cttcacagag gtagatTTTT ctttacccta cagcactggt gggcatccct	60
cccatcacat gggctctgtg gtgagatatg ttatgctgtt cctccctcgg gaaggttggt	120
attgaggggt gccttgctcc agaggcgcca gccagcatct gtggtgagtt ggctaagatc	180
cagagtgacc tgctcagagc tccccagagg ctttcaactt ttggggcagt ctctctaggg	240
tcactttctg aatgtacctt ctacctaaag tatacaaaca caaagagcca gctgagctgg	300
ttctagtgtg aaagccgtaa gtgccacca gcaggcgttt gaaaacaaga aatcattctt	360

ctgtggaagg agaatgtgcc atctcagcta ccctcagtcc gccaggggag cccagtctgt 420  
gtattcat 428

<210> 1235

<211> 287

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(283)

<223> n=unknown

<400> 1235

ancgtgcca ggagcttgge gtgctgcang attacntgct ggccctaacc acggacgacc 60

accttctccg ctgtgcggna caggctctgc agaacattgc tgccatcagc ctggccatca 120

actacccaaa caaggnccacc cgcctctgga atgtggagtg ttagcccttg gtggggcggtg 180

catgggnnta gttcatctnc cacagggatt ttanancnga cntcnaannt cattcaggaa 240

aactcctgta gcgccagtgc ccagctctcn ttgagctgac cantcca 287

<210> 1236

<211> 373

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (366)..(366)

<223> n=unknown

<400> 1236

ctttatttga atcctgattc aaacaagtta attttaaaaa tctttttaga aacttcagga 60

aatgtgtacg ctggatattg tatgacagtg cggaattatt catttaggca tgaataatgg	120
taccgtgggt gtttttgaaa cctatctgtt aaagatacta tgatttatgg attaaatgat	180
aaaatgcctg gaatttgctt cagaataatt catattgagt ggatgggggt tcaaataaaa	240
caagactggc tctgattttg gtaaatttga agctgactga tggaatactt gtactattct	300
gttttttaat atagctgaaa tttttataag ttataaaaaga aatatgcaat cctagggtga	360
gtggcntgtg cct	373

<210> 1237

<211> 380

<212> DNA

<213> homo sapiens

<400> 1237	
gataaatgct agtcactgca tcagataact ccacctaggt tgctaagatg ataagtttgg	60
acattttata ttagtcttcc atgcatagcc atgtaatttt tataattttt aaaaagttgt	120
ctgtatcgta gggatagaat gtctgatatg ttgtcaattt tttatcattt ttctaggctc	180
catctcactc tttcagccaa tattttttga aacatgattg tatttgtaat tatattatag	240
cagatgctac tatggccatt atttttcata gaaattacta tcattactgc tttgaccttc	300
aggggcttga ctagactaag atggagatgg agaagatggg gttatgtctc ccctcttacc	360
cctgacacat tttccagggt	380

<210> 1238

<211> 370

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (12) .. (42)

<223> n=unknown

<220>

<221> misc\_feature

<222> (183)..(357)

<223> n=unknown

<400> 1238

```
cctcacccta cngtaganna tnancnngga gtntctgggg ancctgagct tcagtctgga      60
aatggagtg gggcctaggc tcttttacct atggatcaag ttctacacct ggcagaagga      120
ggcatgcgct cacctagccc aaaaaggagt gaccatggtg gatactgaag gtgtggtaca      180
agngntcccc aacatctcca gcaggatggt aatgtcaagc ccaccagnat ttcatgtggc      240
ctagttacga agagtctgga tgtttgggnt ccaccttggc ccttcacca gtcacctgta      300
tgattggggg caagtcattt aacctttctg gncttagttt cctctgctac acaatgnagg      360
ggttgcacatca                                     370
```

<210> 1239

<211> 405

<212> DNA

<213> homo sapiens

<400> 1239

```
gtgggtacag ggctgacttc tggatgccag cagtgaagagg tgaagactct gggatctata      60
gctgtgttta ttatttggac tctactccct ttgcagcttc aaatcacagt gactccctgg      120
agatctgggt gactgataag ccccctaaac cctctctgtc agcctggccc agcaccatgt      180
tcaagttagg gaaggacatc acccttcagt gccgaggacc cctgccaggt gttgaatttg      240
tcctagaaca tgatggagaa gaagcacctc agcagttttc agaggatgga gactttgtca      300
tcaacaacgt agaaggaaaa ggcattggaa actacagctg cagctaccgc ctccaggcct      360
accctgatat ctggtcagag cctagtgate ccctggagct ggtgg                                     405
```

<210> 1240

<211> 413

<212> DNA

<213> homo sapiens

<400> 1240

cctttcttga ttggttcttc caaacaaatg aggcattcagt ctgaaagcca gggagttggt	60
ctgagtgaca aggaattggt ttcagatgat gaagaaagag gaacgggctt ggaagaaaat	120
aatcaagaag agcaaagcat ggattcaaac ttaggtgaag cagcatctgg gtgtgagagt	180
gaaacaagcg tctctgaaga ctgctcaggg ctatcctctc agagtgacat ttttaaccact	240
cagagggata ccatgcaaca taacctgata aagctccagc aggaaatggc tgaactagaa	300
gctgtgtag aacagcatgg gagccagcct tctaacagct tacccttcca tcataagtga	360
ctcttctgcc cttgaggacc tgcgaaatcc agaacaaagc acattcagaa aaa	413

<210> 1241

<211> 335

<212> DNA

<213> homo sapiens

<400> 1241	
gggattttgc tgatgagatg atactaaaca ttgagagtac tgctttttac tctgactttt	60
attgtgttgt ctttgaaaga caaatagtac aactttttac aaggaaacac gtaagagatg	120
gatgtccatg aaaacaatat tagtatattc tattattggt tcttattaat agttacttag	180
tatttacaaa caatttatta ttagctgtgt taacttttat tctatgcttc atatgctctg	240
acattgacat agtggatttc tgctgatttt tttcaaatcc gcaatcttta taaccaactg	300
aagtatataa tagagcatac atttatcttt attgt	335

<210> 1242

<211> 259

<212> DNA

<213> homo sapiens

<400> 1242	
aacgttcgaa ttatacaaaa tattattttg agccactaac agaagggaat ataccaacca	60
tagtttgtag gccatacaaa aataggcagc aggccagatt tcgcccattg gtggtagttt	120
gctgacgcct gctctagatt aacaaattta cgggctttgc aagctttgtc gggcaaggag	180
gcttgacata caggttggtc gtgccgaaca aagaggaact ttctaagtat aatagaaaaa	240
agatgtcatg ccgtccttc	259

<210> 1243

<211> 420

<212> DNA

<213> homo sapiens

<400> 1243

```
cagtattcct ggcccaatga caaagatcct gtggttggtc cttttcctac tatgactttt 60
gctgaggtgc tggccaccta tggaactgat aaacctgaca ctcgctttgg aatgaagatt 120
atagatatca gtgatgtggt tagaaacaca gagattggat ttcttcaaga tgcacttagt 180
aagcccatg gaactgtgaa agccatatgt atccctgaag gagcaaaata cttaaaaagg 240
aaagacattg aatccattag aaactttgca gctgaccatt ttaatcagga aatcttacct 300
gtattcctta acgccaatag aaactggaat tctccagttg ctaatttcac aatggagtca 360
caaagactgg aattaatcag actaatggag acccaagagg aagatgtggt cctactaact 420
```

<210> 1244

<211> 490

<212> DNA

<213> homo sapiens

<400> 1244

```
tatgttatct cctctgattc cagcaataac agcccgggtga ggtagccagg gcaagtatgt 60
attttacaca ttagcaggaa gggaggctaa gcgagggtta tgtaacttac tcaggctgaa 120
aactgaaga aaaatttgtg actctcattt cagtgatgtt ttctgcatta ttaaaaaata 180
ttatgctact cctcactata ttatgttgat ggttgaaatg tcattataaa gcttaattta 240
tatgattctc ttgatgagga tgatgaagca aatgctccat caactcacta gtttacaggg 300
gcaagcattt tcctacattt cacacataat ttgattacct ctgtcctaag tgaataatct 360
actatctggg tatgagaaac atgatttgaa aacactaaac cactatatta tttcaacaaa 420
gaaccatctt tcacacctaa gtaaaaagga acttcaaaaa aagtcctaac caaaaaaat 480
ccaaatgatg 490
```

<210> 1245

<211> 395

<212> DNA

<213> homo sapiens

<400> 1245

```
gtttgtcagt ataaagagac agatcatact gtgtatggaa gaattagacc acaccccaga      60
cacaagcttt gaaagagatg tgggtgtgtga agacgaagat gccttttgtt tgtcttttga    120
gaatattgca acactacaaa agttgctacg gcagctggaa atgcagaaat cacaaaatga      180
agcagtgtgt gaggggctgc gtactcaaat ccgagagctc tgggacaggt tgcaaatacc     240
tgaagaagaa agagaagctg tggccaccat tatgtctggg tcaaaggcca aggtccggaa      300
agcgctgcaa tttagaagtg gatcggttgg aagaactgaa aatgcaaaac atgaagaaag     360
tgattgaggc aattcgagtg gactgggtcc agtac                                  395
```

<210> 1246

<211> 490

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (483) .. (483)

<223> n=unknown

<400> 1246

```
ataattgtat attttaaaaa caggacacgt actgtatgag taaacagcgt ggctaacacc      60
aagtccacac tggttaagctt ttgagaacca tttacactat gttgacagta gtactgctgc    120
aggcagacag cggaagaata aataatagtg cttcaagaag agtagtgatt gagaggatag      180
gtaaagaggg cgcctcatcg tgggaagctag agcaggaaca cctccccagt agtgacatgt     240
gcaaagttcc agatctccac gacaaagaca gctcaacca ttggaacaaa cagactccca      300
atgtggctgg caactgcggg ggtagaagaa ctcaggcaaa gtaggcacag gaatggggga     360
gatgagagcc aagggacaaa cgccgagaaa gcgttccgac aagcatgtgt gttcatacat     420
gcataccccc aacaaagggc aatgcactgt gtaacagaac tgaacacaat tttacaaagc     480
tgntccccag                                           490
```



<210> 1247  
 <211> 431  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (237)..(324)  
 <223> n=unknown

<400> 1247  
 ggaatacatt ctctggcata gccatagtca atcaccagta taattaatgt aaatggacac 60  
 tggatagctt ttttgtgaat tctgatgcag cacaaagaga ctttaattgt ttccaaaaag 120  
 aaaatgtctg agattaaaaat ctagagtttt atgacttaga ggaaatttta tagcttttact 180  
 ccaaaaaggg taaggcacia aatattctgt gccaaaggat gcatatttgg aattttncct 240  
 atgaancct tngngtaagn gncatgatga aattttcttg gtttcaacac agatgatgtg 300  
 ttgaggtagt gttgaggctg ananccccgg tgggatgggt cttggagaag gaaaagattt 360  
 gttttgcaag gtttgtggag agctgatgcg gtagtgaggc taagacgagg ggtatttact 420  
 tgctacttac a 431

<210> 1248  
 <211> 469  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (461)..(461)  
 <223> n=unknown

<400> 1248  
 tgacctcagt gtattggctc acatgtgtta acatatttta agaaataaat cactgtgcaa 60

atttgaagta tttgaatagc actatcatta tttgattata tttttatata ttttattata	120
tttatctgca tttggtttat atccacaggg tttttagtca tagatacatc tgtaatttat	180
atgccaatca catatgataa tgttatttgt acctccaatt ttttttctca tattggtgat	240
ccctaattcc aggtgtggta gagctcacag atcatgcaca atcttctcac tatgtgcagg	300
ccctttggta gcaaacacaa aagaaaatca agagatataa agagatcata caaaaggaat	360
tttgatatc ttctgtaaac agaaagacag attggaaatt tgtaagcaaa gttgcaatat	420
ggaaatagga aaaggcattt ctgaataagg gggatgttta ntcaagagg	469

<210> 1249

<211> 419

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (209) .. (355)

<223> n=unknown

<400> 1249

gtgtttttca gatcctgaat tccagcagaa tggctagtgc caaccagcct gaagaccctc	60
accaaggaac caactcagca caggaatgcc atttcttcat ctccctgtcc catgatttca	120
cccctcactt cttgaccaat cagcgatccc tacactagct catcacccat ccagaccctc	180
tggaagccca tccccaacct ccctggtang gctggcaagt ggagagtga gacttggaag	240
cagcagcaca gggcacatga tcttgaccct gctgtggaca ctacagcaca gcanaaagcg	300
atggcagcat ctgacttcat gggcagccca agcagtctgg ggtgtggggc gtcanagtgt	360
gattattagt cagcgtaaag gagactacat taaccaatgc cataaattgg actggataa	419

<210> 1250

<211> 397

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (59)..(367)

<223> n=unknown

<400> 1250

```
caaaatatca tctccacatc taatccatth acaaaatgtg tcaatgaggt atttcactnn      60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
nnnnngtcac atttcaagta ttcagtaacc cacatgtggg ttgagggtcc catatggaac      180
agcactgttc tcttttagact gttaggccct tttaccactt cttttgaagt gaggttctct      240
catgtccta ccactgctgc cacatgagaa agganntnnnn nnnnnnnnnn nnnnnnnnnn      300
nnnnnnnnnn nnnnncacag natacatgta tccacaggat ttgatataga tttgcatttt      360
caagggnctt gcctaggagc acatgaggac tctacag                                397
```

<210> 1251

<211> 388

<212> DNA

<213> homo sapiens

<400> 1251

```
gtgctttcaa aagaattggc gtccgctgtt cgcctctcct cccgggagtc ttctgcctac      60
tcccagaaga ggaggggaagc acagtatgaa gactttggag actcaaccgt tagctccgga      120
ctgctgtcct tcagaccagg acccagctcc agcccatcct tctccccacg cttccccgat      180
gaataaaaat gcggactctg aactgatgcc accgcctccc gaaagggggg atccgccccg      240
gttggtccca gatcctgtgg ctggctcagc tgtgtcccag gagctacggg agggggaccc      300
agtttctctc tccactcccc tggaaacaga gtttggttcc cctagtgagt tgagtcctcg      360
aatcgaggag caagactttc tgaaaata                                388
```

<210> 1252

<211> 270

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (30)..(250)

<223> n=unknown

<400> 1252  
tccctccgtt cctccctgcc ctttctcgcn ctgatgatca tcagggatgc tggagtctgg 60  
cgcccccca caccaccaga gctgaagccg acattcnagg tggacgtggc gcgnagagag 120  
caaggnaagg cncanctcct ctccttcgtc ccactctct ntgggctcag gaaacacacn 180  
ctgaccggan gcagtggcca ggagnggcag gctagggngc aggctcacgc cattggtgca 240  
gtmnttctgn ggcagaaaac tcaacacggg 270

<210> 1253

<211> 309

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (285)..(296)

<223> n=unknown

<400> 1253  
tggaggtctg ggccatggct actgagcgag gccctctacc ccgagctgca tggctgtgga 60  
gatgcctttg acaaaggatc gctggctagc tagtgctggg gttcagagga gagccatggt 120  
tctgcactaa ctgaaggctc ccctgtggcc agcactgttc tgggtgtggc aggctggccc 180  
cccggcagga gagagctgcc cgaggccctg ctctcctgca gcttgcatte ccagtatgg 240  
gacgtgaacc ttcaacaaat aaacggatc atgagcaact gtcangtagt gagaantgat 300  
gctgtagtg 309

<210> 1254  
 <211> 367  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (334)..(352)  
 <223> n=unknown

<400> 1254  
 ttaccttcag gctacatgta taaggatat ataaaacatg aatgaatttc atgttttagac 60  
 atgagaccta ccaagatacc tcattatgta tatatgcaaa tattccaaag tctgaaaaaa 120  
 tccaaaatct gtaacactcc tgtcccaagc atttcagata agaaacgctt agcccgtctt 180  
 gggaaacagc agccactgga tggaaagggg cagccagtag cagaggcctc agcccctgcc 240  
 ttcacctga gaatcttctg taacaaaagc tgccagcttt cagggaagaa aaagaattct 300  
 gtggccttga cttaagccca gagaaacagg aacngcnaaa ccttggtacc cagcagaaca 360  
 gacagag 367

<210> 1255  
 <211> 295  
 <212> DNA  
 <213> homo sapiens

<400> 1255  
 ctcttgggaa actactcctg taaaattgaa gttggaggta ggcgtgggct gaggaaagag 60  
 gaatcagatt aattctctgg gttgcaaaga ggctattctg caagcccctt acagtggccc 120  
 tgaaagctca ataagtgttt tgtacctctt gtaaagtgtc cattgtgtga agcattaaac 180  
 ccaacatcta gaattcagga ttcacccaga ataaaaggat gtaaaatctt tcccaacaga 240  
 agagtgttac ttttggtcag acaacttcat gggttcttac tgcacattaa attat 295

<210> 1256

<211> 386

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (352)..(352)

<223> n=unknown

<400> 1256

```
agaacttact cacttggacc gagaatatat tgtaatgttc cataagtcac aacttaagga      60
ccgagaatat attgcaatgt tccataagtc ataatttaat gtgcagtaag aacccatgaa      120
gttgtctgac caaaagtaac actcttctgt tgggaaagat tttacatcct tttattctgg      180
atgaatcctg aattctagat gttgggttta atgcttcaca caatggcaca tttacaagag      240
gtacaaaaca cttattgagc tttcagggcc actgtaaggg gcttgcagaa tagcctcttt      300
gcaacccag  agaattaatc tgattcctct ttctcagcc ccacgcctac cncccaactt      360
caattttaca ggagtagttt cccaag                                           386
```

<210> 1257

<211> 587

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (373)..(375)

<223> n=unknown

<220>

<221> misc\_feature

<222> (536)..(536)

<223> n=unknown

<400> 1257  
gtctcctgtt gtagttcggg tgccttctgt gtctgatgtc tcagaggaga ccttgactag 60  
tgaggcagcc atggagactg acatcacaga acagcagcaa gcagctatgc agcaggagga 120  
gagagtactg actgagcaga ttgagaacct acagaaggag aaggaggagc taacatttga 180  
gatgcttgta ctggaacccc gtgcctctga tgatgaaacc cttgagtctg aggcctccat 240  
tgggactgct gatagctcag agaatttgaa tatggagtct gaatatgcta tctctgagaa 300  
atcagaaaga agcttagccc ttagctccct gaagacagct ggcaagtctg aaccttccag 360  
caagttgcga aananttaaa aagcagcaag actctttaga tgcctgggac tcttcgggtct 420  
cctctttatg tctgtctaac aggcattcatc tcatgggacc agaaaactat ttcagattta 480  
ttccaaatct ccattctacc gagctgcctc aggtaatgaa ggcttgggaa tggaangacc 540  
attgggccag accaattcct ggaagacaag cctcagttca tcagcag 587

<210> 1258

<211> 452

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (452) .. (452)

<223> n=unknown

<400> 1258  
ttcagaaatc ttaaaataga gggattaggc tttttgtttg taagtaagtt tttggaaaaa 60  
aattatattc taccctagct cctaactatc ccaaaataaa cccaaaggct tttgctttca 120  
cggttaagaa agattttatac gttttcttca aatgtcagaa atgagagggg ccctcaggac 180  
agcaatatcc cccctagttc aacacccacc tttgggaagg gaaaagaggg tgggggagag 240  
gcaactacaa ctgacccaaa tccccaggcc ctaggtggct ttgtatagta aaaatctcaa 300  
ttcaaataca acagccaagg cacagctggc accatcccca gcaggctttc tgcttctgca 360  
ggaggcccag gaattcagca catacagtct tagccatatg cttagaaaag aggcaggacc 420  
acaattagga ttgactattg tggacgaggt gn 452

<210> 1259  
 <211> 550  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (412)..(511)  
 <223> n=unknown

<400> 1259  
 ggaactcgtc tattctgaaa ggcatttgag aaatagctga attcctggct gcttttttgc 60  
 tgggggtaga tgggtggaata cttctgggtct agatataact taccactaag aaacccccag 120  
 tatgtcacca ctgcctaaat ctaactagac caggggtccaa atgccatcca ggccaggcag 180  
 gaaatatacc tcatgtgaaa gacagtaagg agttgtgggc agtgtaacaa acaggagagc 240  
 tatgccccaa ctaaaaggag cagctgctac tgcttagttt cagccagttg caacagtatg 300  
 tgggaatgta ggctgcatgg ttgttaacaa gatagatggg aaaaagatgc cagaagatac 360  
 agaagatagc aaagaatgtg gggaatttgg ataccacaca tagcgagaga cnatgaagca 420  
 tgcttcccag ctgcgcagag tgtcacacag ctgctcatct gccacctgcc agacattaat 480  
 gtttctcgcn ctacctaaac cccctcttta nctgatattt taattcgaga ctctagtaca 540  
 tgcccactac 550

<210> 1260  
 <211> 412  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (67)..(165)  
 <223> n=unknown



<220>

<221> misc\_feature

<222> (360)..(360)

<223> n=unknown

<400> 1260

```
aaacaagcag aaagagccca gtgtccatca acagaaagat aaaaaaacia actgtgatat      60
attcatnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
ctcatatgaa gtttagaaca ggtaaattta acctttgata taaaagaatg agaacagtag      240
ttataacctga ggggtgggga ggggatagac tgggagaggg atttaggaaa ctttctgaag      300
atgattgcaa tggctctaat tttggaaagg gtttgggtta cacaggtgta tatgtctgcn      360
agaactcagt aaatttatac ttaagatttg tacattttat tgcaggtaaa tc              412
```

<210> 1261

<211> 601

<212> DNA

<213> homo sapiens

<400> 1261

```
gcaatctgcc tctctacagg gtctaggaag cccagagggga ggtatactcc atgcctggcc      60
gaacctgata gtgactccta tagcagcagc ccagacagca cacctatggg gagcattgag      120
tcaactctctt ctcatctctc tgaacaaaat agcactacaa agtcagcttc ctgccagccc      180
aggagagaaat ctggagggat tccttggatt gcaaccccat catcttccaa tggacagaaa      240
agccttggtc tgtggacaac tagtcctgaa tcaagttcca gagaagatgc aaccaagaca      300
gatgcagaat cagactgcca gagtggtgct tcagtcacta gccaggaga cgtttcccca      360
cccatagacc tagtcaagaa agagccttat gggctttcag gactgaaaag agcttctggt      420
cttctctcag atccatctct gcagctgaag gaaacaagag tacagtggat ctattcaaag      480
cttaacttct gtaggttcca aggagacacc caaagttcac caaaccaga cctgctccga      540
aaatgtgcag ggattaagac tagacatgct caagcaatgg tatcagggcc tggtcagtag      600
t                                                                    601
```

<210> 1262

<211> 374

<212> DNA

<213> homo sapiens

<400> 1262

```
cacaaaacaa tttcaacctc tgtgggtcaa aataatttaa ggatcttgta cctttgtgtt 60
tattttctgt ttcaactaag gatagacttc agaaggcata gcttcccttg taacgttttt 120
aaacatcttt ttcatttgta gaagaacatt tcaaaagccc aaattaaatt atcattaaaa 180
tactttgaca ctttacaatc ttccaagtgg aatttaagtt gtatgccttg atactgtagt 240
tttacagttt ccccatcatt ggtaaataatt cttctatgat gccactataa tgctactggg 300
agaaaatatg tgcataataa ttatcagtat attttcatgt aaaattttat aaaaatctcc 360
aaagtatgga agta 374
```

<210> 1263

<211> 419

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (64)..(64)

<223> n=unknown

<220>

<221> misc\_feature

<222> (357)..(357)

<223> n=unknown

<400> 1263

```
gatgacttga atgatctgtg taccagtgca gtaagcccaa atactaccaa agccacgcgg 60
```

tacncttgaa tgtgtggcgt tattggtgca tgaccaacgg gctcaaagac cacacagaca	120
tcaccaagat ccctgcagtg aagttgaacg agctgctcga gaacttttat gtcacccgtca	180
agaagagcga cggctcggac ttcttgcca cctcgctcca tgctattcgc cgaggcctgg	240
accgcatacct gaagaatgca ggtgtcggtt ttccatcacc agcagcacct tcagctcctc	300
caccaagaaa ctcaaggaga agctgtgggt gctgagtaag gcaggcatgt cgggcgngcg	360
ttctcgcaac atcgtctatt ctccctttct gacgagagga gatgtggcag gcagggtgc	419

<210> 1264

<211> 339

<212> DNA

<213> homo sapiens

<400> 1264	
aaatgaatctt cctcactctt gtatgtaaca attatacatt gtgttagatt ctaaaagcta	60
acgaagttga cgcacatttg gataaaccat ccgaatgatt tagactcatt tagtttcatt	120
ttaaaaagca aaccccaagt caaagggagg gcaggccaca ccaggggaga gccgccagac	180
cgggaggtca cacctggtca gcccctgcct ccaaggagct ccagctgctc caaccctggc	240
tggcccagac aggtgacagg gcagtggccg ggccccagtg ggggctcact ggcagcagct	300
gtgggagcca agcctccggg agacctgagt gaacgagac	339

<210> 1265

<211> 89

<212> DNA

<213> homo sapiens

<400> 1265	
gaggggatct aaatgttaag ttgaatattt agaaataaaa gtgtctacaa gaagaaaagt	60
ctttagtga aatatgggca taggccagc	89

<210> 1266

<211> 476

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (178)..(470)

<223> n=unknown

<400> 1266

```
atttcacgtc atttaataat tttgaggcaa aaaataaaca gaaataatat ccaaagacat      60
tttcagtttg ttcattgatt gccattctaa tacataaagg taagaatttt agtgaccagt    120
gttttgtatc tgactcttat tttagaattt ccagtgttcc aaggattcct tattaatnaa    180
ttcnctcagg tcttgagnga aaagttttga tntagaaaag cagattntgn naaatatacn    240
nnaagngtgg caaatggntt agacagtnat ttggaccctt ganaatttta tcaagctgtg    300
tgatcaaaaa gctagtcctt annaattctc naagtatgga aaggaaggaa gggntactac    360
ttatgttaag caanattatc ccattttgag anaaacaaga cgatctccgc atggaagttt    420
ctttgcttnt cattttaagg tactnccaga gtagcaatct tgttcatgtn aaaatc      476
```

<210> 1267

<211> 256

<212> DNA

<213> homo sapiens

<400> 1267

```
caagaagaca gtcacatctgg tttcttcctg catcttggga cactccttcc ctgtctatac      60
cactgactct tgctctgggt gttgtactct tatacgtgaa tagactctta attcagcacc    120
tatagccttt tgttgtgctt ttttgatgtg tctgccttca ttagactatg atgtctttga    180
gagcaaagac tatttttctt tactctttgc atattctgca tctgagacac tacttgaaat    240
atggttgcca tcactg      256
```

<210> 1268

<211> 439

<212> DNA

<213> homo sapiens

<400> 1268  
ggcagccacg ttttgtgggc cgtgtttaag tccccggttct gccggcctgt cagcttcatg 60  
tcctccactc cctcaggagc actgtgggta tgagaggacc tgcctcacag ggtggtggtg 120  
gcctgggtag tggctgctgc tgctgcccct gtgtgttgta tgtttatcca ttgtatgtgg 180  
agttctattt gggttcattt actccctcag agttgaaacc agaacataga aaacctgagc 240  
ttcctggaag gtaaaaagtg ccgtgaaccc tagaaatcat ttagacaggt ctcagttact 300  
gaaatcacat gtctaagaaa gtgtgaccag ctaacgactc tggcctgggg ctcagcccccac 360  
tgacatccga gttctggtct ttgtgaaaag cagcagagag cagctctgcc gggttgcaact 420  
tctcgtctct tagcttaga 439

<210> 1269

<211> 501

<212> DNA

<213> homo sapiens

<400> 1269  
aatattccat caaattatcc aggaaaatcc aggtggcaga aatatataat atgtccattt 60  
catcaagagg tctcaaataa attttaaaag gccagaaaat gatatatata ctatgccatt 120  
taaatcactt ctatcttctg tacttaagaa ctcaagtata gaaataaact gtgggctgaa 180  
gtaacattgt aacctgctcc caacatgact gcataggtgt ctaagggttaa gtgtgaagat 240  
tactgtgagg tctcaagtta cttgactaat caatcccat tgaatttcaa tccaagcagc 300  
atattttaca cacacctgaa ggaaatatct tcagtgtggt catgtgtgtg tctatgtgca 360  
tgtatgtgta ggggataggt gtaattaggg aagggtgac cgaacaacat tgataagtac 420  
atgctagaag tctgctgttg ttggtaacac agaaacatac acagtcttca tattcaaagt 480  
cttcacgggg atgtcttctg t 501

<210> 1270

<211> 366

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (116)..(253)

<223> n=unknown

<400> 1270

```
tgctgggata acaagtgtaa gtcaccacac ccagcctctg atttcttttc taaggggatg      60
acctatttct gtttataatc caaaatttat cagccttggc cctactgata ttttgnnnnn    120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    240
nnnnnnnnnn nnnttttaat ctatgtgtaa cacaaatttc aaaacacttt ggtgagtaca    300
tagcatggat tatgattttt taaaaacttt gtttcttttt aagctgattc tattctagtc    360
atggtc                                     366
```

<210> 1271

<211> 401

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (157)..(304)

<223> n=unknown

<400> 1271

```
caatgatgat gtctcttagg ctgccccgag caattctttc cctctgccac gttctctcag      60
ggcatcattg gagatgcaac accacctgca ctaagagag ctgcgtgctt caggtagtagc    120
gatctgtgtg ttgtagctgg tctgaaataa ctagacnnnn nnnnnnnnnn nnnnnnnnnn    180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    300
nnnnaattcc atgctatctc atgacacatc agttctaaac acattgactg gttttacccc    360
attgggcagt ttctgtttac acccaggtct gtgggcatat g                                     401
```

<210> 1272  
 <211> 432  
 <212> DNA  
 <213> homo sapiens

<400> 1272  
 agaatacacaca atagtttctt aggagtaatt attacctttg aagagtcaga atggggaggc 60  
 taagtgcaga agaaaatttt ctatctctgc ccctttgtat cgctggaatg ttgttgaaca 120  
 cgtattacct ttataataaa aaaaccagag cactgaatgt tttaccagca actgatatgg 180  
 tgacaactgt aagtagaact aataaactgc ctaatgtgct ggtaaaattc aagaggaagt 240  
 tattttttat tattaccaat gagtagaatt atatccatga ttacaaaaat taagtaatgt 300  
 agagggggttg ctattaaaaat tataattaat cctaagtgcc tgacaatgct ggatacatta 360  
 aaaatgtata ttgatagtt tttaattcag agtcatttct tttctataaa aaatgcaaac 420  
 aatttatatg ca 432

<210> 1273  
 <211> 126  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (122)..(122)  
 <223> n=unknown

<400> 1273  
 agtcaatgt taaggtcttc tgggaccaca gtcttctgta ctccattcag tcattaatcc 60  
 accaatttat ttattcatto aggagtcag tcaattcatc aagcattttt tgaataccaa 120  
 antttt 126

<210> 1274  
 <211> 437

<212> DNA

<213> homo sapiens

<400> 1274

```
gcgtcctctt cctaggtccc cgcgttctct gcacgctgaa gtcgctgcag tgacctcgt      60
acctgactct taggggattt ctctgagaa tttgggggcc gggggagagg gttgtaggcc      120
taatccgttg ttgttgattt ttgactgggg gcttgatttc ttttgcggg agctgagcca      180
ggaaggggtc gcatggctgc ggtgtgcttg ctaatatcgt cactctgact tctgcagagt      240
atccgagagg ggtctcctgg gatctcagtt ttaaggttct ctggaaggta caatggtcag      300
ggacccact cctccaggag attctgatca aaggtcacgt acttcgccag cctctagtgt      360
ccagccagaa gtcttaaatt tattcatccg taagattgag ataacatctg gctgggctgt      420
tgtgagcatt gaaagag                                         437
```

<210> 1275

<211> 461

<212> DNA

<213> homo sapiens

<400> 1275

```
gggtatacat atatgtcaaa actgatcaaa ccaaacttac gctttatata tgtgcagcgt      60
agaggctctt aattataact gaataaagtt ttctaaaaaa tggggataaa aataacatct      120
tcagcctgtt gtagggattc actgaatatg ttaaagcact ttatcataat acctggctcc      180
gagtttgatg ccgctgacac ttagatatca aactcaacct ctctaccaag ctcttcatcc      240
aaacagacta ggggtaaaga ctgtctaaga ctatacagaa agatcatgta tctgaggaat      300
taaaaatagg gcataagatt tggcaatgtg tctctcggca aactcaataa actagtatta      360
tcaaggcaaa aaatatatac acaaaaagaa ctgggttaaa aaaaattttt tctatggact      420
tttaacgtga taactcatga cacagggggtt aggtcttcag t                                         461
```

<210> 1276

<211> 286

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (275)..(275)

<223> n=unknown

<400> 1276

gcgggatggc aggggcgagc tccacgccct gtccccgtct aagctaccac ctttacttcc 60

accaggctgg gaaccagggc ttcccttggt gtggtcagca atgagtctgg atgacaattt 120

gtcgggcacg agcggtatgg aagtggacga ccgcgtgtcg gcgctggagc agcggctgca 180

gttacaggaa gacgagctgg cggtcctaaa ggcggcgctg gcggatgctc tgcgtcgctt 240

gcgggcatgc gaagaacagg gagcggcgct acgcngcggg gcaccc 286

<210> 1277

<211> 205

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (201)..(323)

<223> n=unknown

<400> 1277

gcaggagttt aaatgaatgg ggtgaccctc taagtactgg gaaggaaaga aatctaaggc 60

atatcatgaa gtgaaagaat cacgttgtaa gatgttacct tttatgtgaa gaaaaaattt 120

taaaaaccac aaaacaaatc tattttgctt atgtaaatat gtatgtaggt aaatggggaa 180

aagtctggaa gcctgtatac naaat 205

<210> 1278

<211> 503

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (267)..(323)

<223> n=unknown

<400> 1278  
caggatatgg ctatactgac aaactcatct tggcattaat tgtgactgaa atactaatga 60  
ttttgattat actttttctgc ctcattgtgg taaggacaat aattaattca ggttgtcaga 120  
atgcagtcct gtttctgtgt ggattcagag ctcacaaact gaaaaccaa gccactttcc 180  
ctgaatattc cagccgtgct gagcctagtc cctttgtgag atttgtcacc atttcttgga 240  
caccatatga gagacttcag aggctgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnngtataaa aatgcaataa cagatataac aaaaactctc 360  
cttgtgccct actccctcat ccctgaagca tgtatactaa atgcagagta gcattacttc 420  
agggatgagg gagtagggct actctgcatt tagtatacat gcttcagac ttttcccat 480  
ttacctacat acatatttac ata 503

<210> 1279

<211> 435

<212> DNA

<213> homo sapiens

<400> 1279  
gcttttttta gaccgtcagg aagtttcaat ctttacccta gtaagtcaac atgtgttta 60  
tttttgaaa gatgaacctt ttctcagatt attttaagcc cttgttcttt ttatccttta 120  
gcatttcaat aggtgaagca ccataccggc tttatctttt ggagagcttg aatcctccca 180  
tgaactggag agtccctccg ggtttcccta ggagtcata tttagttttg ggttttgaga 240  
tgatccatga ggaagcttga tttagttttt gaggagggaa tcattacaga tatctacca 300  
gctcactaat tcacatgatc ttatttaatg tggagaactt aatttattct aaactttcca 360  
gctgtgaaac tgatgctttt aaaagttttt gtaagggaag aaagaaagac ttactgcaa 420  
tgtctgtttg ataca 435

<210> 1280  
 <211> 504  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (460)..(460)  
 <223> n=unknown

<400> 1280  
 gtacaaacta tattccaatt gaacaagtaa agctaaaaca ttatcccaca gaatatagga 60  
 agaattgggc aatgtcaagt aatacagata aattctgcta cacagtggct cagaatgtta 120  
 aaaccaagac aaattatatt ttaacatgcc ttgcattaac tataaaaaat tgcaaaccatc 180  
 aacctaata ctcttaagat ttagaatata aaatacattt ctattttccc ttccccattt 240  
 gaagagaatt aaaatttcaa ttttttcatt ctttttactc cacttacaaa gttattacca 300  
 ataagcaaga aattacattc cttttatttc taaatacttc agttatgact gagaattcta 360  
 tttcacaata tcaattcatt catgtattta ttgaccattt atctacattc aaagcattat 420  
 atgaatgcag accaaccaac tcaatcctga tttctgaagn taaatactac gaataattgc 480  
 taaaggcaga cttttctcaa gact 504

<210> 1281  
 <211> 439  
 <212> DNA  
 <213> homo sapiens

<400> 1281  
 gtgttggaact ctagaagaac ggcctttact tggaagcctg cgtcacatgg ctccaattcg 60  
 aaagaggcga ctgataacgt tcaatgaagc ggacgaaagt gtgaactata agactgggtcc 120  
 taagccagtt agattttttgg gcccttccac aagtacccaa attaaagtca agaactcggc 180  
 ctcagtcacg gtgtctccag ccagtgccat ccagacgtcg gctggggcga cacaaccggg 240  
 tttcaaagtg gtagccgcag aaaggcagct cagcgctctg caccttccag agccacggtc 300

ctggtgggca cgggggcacc tgggcaccc caggcttccc ctggggctgc gagcgctgaa	360
aatggaggca cgcacttacc tccagctaag gtgctactct ccgacaagaa gcctacaccc	420
cagcgggtga taaagctga	439

<210> 1282

<211> 442

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (356)..(425)

<223> n=unknown

<400> 1282

tatacttact ttactctttc aaagcaatga aagtacaatg ataagcattt gaataaaaag	60
taccctgttt tatgagctta ttttttaaca tagtgaaggc atactctcac tgaaagtaga	120
aatatgtgat ccaattacaa aacataacat ttacgaataa acacacacaa ctgaatagtc	180
atgaaaaaat agaggattag tcaaaatatt ctgtttaaaa atattaaatt caagttacat	240
ggaaatttta tgcataaaaa tcatattgta taatcagaat gaatcttcag tggtcatttc	300
tgaaaaacaa atactaactt tagttaaaaa gttaaacttt tacttctctt tttcanngta	360
ttttcaaaac ttcactattc aaattaaata ggatantnta atnatttact tcaaagatan	420
tatanaattc tgatcccaag ag	442

<210> 1283

<211> 302

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (262)..(262)

<223> n=unknown

<400> 1283

```
tgataggatt gttaataaga aattggttta taaaaccatt gttttgaact cacaatataa      60
ctcctcttag aagaaacatt gcacaggctt tggtccttgg gctggcagga aaagtccatt      120
tggtgtgtaa tctataaatt ctgcattgct atagagcaag agcacttatg ctgaaatcca      180
tgagctcttt gaaattgtgt aaaatttgga gagcttttac atctctcatt tcaactgtgta      240
tctgattttc aaagagaaaa antgttaaaa aggatagaaa acacaagctt agaacagtca      300
ct                                                                    302
```

<210> 1284

<211> .251

<212> DNA

<213> homo sapiens

<400> 1284

```
gtgcgcttcc cagggatctt gagagtgaag atctcgaagg atttcatagt taagttgctt      60
ttacagagtt aacagggtctc caagaaattt taaaaaaggt cattattgct gtggtttgag      120
ctcagcatgg ctgtagtcat ccgtttactg gggcttcctt ttattgcggg gcctgtggat      180
attcgtcact tottcacggg attgactatt cctgatggag gagtgcatat aattggaggg      240
gaaattgagg a                                                                    251
```

<210> 1285

<211> 174

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (162)..(162)

<223> n=unknown

<400> 1285  
 gggtcccaaa attctgatgg ggtcaaagtt ctgagactga gatcagagtt cctccagtgc 60  
 tctgttcttg agcaacctag agactcctgg atattctgtc ttgtaccctt cagaccatcc 120  
 aacggcgact aaatgagatt gaggctgcct tgaggagct anaggccgag ggcg 174

<210> 1286

<211> 179

<212> DNA

<213> homo sapiens

<400> 1286  
 atttgttcaa gtaaatgaga ggagaatctg ctgcatggac aaagcctcag tccttcctta 60  
 aaatgttgac tgctacctg atttacaatt cgtaccttcc ctactttgct gcatttttcc 120  
 ttttcagcac ctccccccac ttttaaaaaa ctaatttgct cttctctggg ctttccctt 179

<210> 1287

<211> 90

<212> DNA

<213> homo sapiens

<400> 1287  
 cgggttgattc catcaattcc atcgtttacg ttgctattg tgaagggtgc ttggtttttt 60  
 caaaattggc ttctcagat atttgcaaaa 90

<210> 1288

<211> 433

<212> DNA

<213> homo sapiens

<400> 1288  
 gtttctcgga tgaactttat gtggacgtga cttacatagt tcagccagac cctcctttgg 60  
 agctggctgt ggaagtaaaa cagccagaag acagaaaacc ctacctgtgg attaaatggt 120  
 ctccacctac cctgattgac ttaaaaactg gttggttcac gctcctgtat gaaattcgat 180

taaaacccga gaaagcagct gagtgggaga tccattttgc tgggcagcaa acagagttta	240
agattctcag cctacatcca ggacagaaat accttgcca gggtcgctgc aaaccagacc	300
atggatactg gagtgcattg agtccagcga ccttcattca gatacctagt gacttcacca	360
tgaatgatac aaccgtgtgg atctctgtgg ctgtccttcc tgctgtcatc tgtttgatta	420
ttgtctgggc agt	433

<210> 1289

<211> 214

<212> DNA

<213> homo sapiens

<400> 1289

gcccagcta ggaagtgggtg gagttagaat ttgatgtcag caccagctg accatggctt	60
aaacagatga ggctttgttc aaaggctgtc ttttcagtgg ctcagctgtg tcacagtcga	120
tgttttctgc aatctctcaa cctttccatt gtggatcatg ggagactcct atggctccag	180
ccattgcac caccagtaag actgaaagaa gggg	214

<210> 1290

<211> 486

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (110)..(112)

<223> n=unknown

<220>

<221> misc\_feature

<222> (311)..(421)

<223> n=unknown

<400> 1290  
cattactttt atgaacagaa aaaaacatgt cttttcccta gttaacagta atttccacgg 60  
aggagtttct tatctgtttc aaaatatcta caaggaaatc agtaggaatn gnggcttaga 120  
aaatgtcaac tgaaatgaga aacagaaaat atgcaaagat ctgaaacact tctgggtccca 180  
agcatttcga taaggaatat tcaagctgta tatagagtct tcatttttaa tgaattttta 240  
tgatcaccat tccaccataa atgacttagc cagttcccca tgggtggacat ggaggttctt 300  
tccaaatttt nactttttaa atcaatagca taatganaac catgtagcct gcacacatat 360  
naatatatat gtaggattca ttcccagcag gtttggtgag acaaagggtt tatgtatttg 420  
naatttagtg actgataaac tgcccttcat agaagatgta taagaacctt cccacacccc 480  
ctttga 486

<210> 1291

<211> 379

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(2)

<223> n=unknown

<220>

<221> misc\_feature

<222> (304)..(361)

<223> n=unknown

<400> 1291  
gngtggggaa ggtagaacta tgtcataact cttaggagtg agtggggaag gtagaactat 60  
gtcataactc ttaggagtga gtggggaagg tagaactatg tcataagcct taggagtgag 120  
tgagaaagggt agaactatgt cataaccctt aggagtgagt ggggaaggta gaactatgtc 180  
ataaccctta ggagtgagtg aggaaggtag aactatgtca taacccttag gagtgagtgg 240  
ggaaggtaga actatgtcat aactccttag agtgagtggg gaaaggtaga actatgtcat 300



aagncttagg agtgagtggg gaaggtagaa ctatgtctta actcttagga gtgagtggga 360  
naaggtaaga acctatgtc 379

<210> 1292

<211> 250

<212> DNA

<213> homo sapiens

<400> 1292

gcagaaaata aatcataaac aaacaaatgt aaaataattt cagatagcaa taagtgtgt 60  
cggggaaaca gaacaagggtg atgtgataga tttggattga gtggctagtt tagagtagga 120  
agttagaaaa agcctttctg agaaggcaac attgagctaa gatttaaattg atcaaacacc 180  
agctatgtaa aaatctgcga aagtcaatct ggagggaggg aatgggttga gtttggtgag 240  
tttgaggact 250

<210> 1293

<211> 344

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (36)..(86)

<223> n=unknown

<220>

<221> misc\_feature

<222> (218)..(336)

<223> n=unknown

<400> 1293

ggagaatcta ggactgggtc agtcctatga ccatangact cctgattctg gccaatctc 60  
attatgcatg atgtctgcaa agtcanatct gagtgaggac ttccaatata aattgtgtaa 120

gaagtaagaa aggagaaagg gcagctgaag ggagatgggc acttcaccc	180
actaccctga acctgtctgc cccgtgcttc gtgagcangg ctggatgtga acagaggact	240
agntgaggtg acttccagac accctctggt tctgtgattt gataaattct gcctgaagtc	300
caggcnctgt gccacccttc tgggnagcag gagttngcag gggg	344

<210> 1294

<211> 416

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (130)..(130)

<223> n=unknown

<400> 1294	
gacctcccag ctgaaggcag ggaagggcct gaccatcgtg ggctctgtcc ttgagggcac	60
ctttctggaa aatcatccac aggccagcg ggcagaagag tctatcaggc gcctgatgga	120
ggcagagaan gtgaagggt tctgccaggt ggtgatctcc tccaacttgc gtgatggcgt	180
gtcccatctg atccagtccg ggggcctcgg ggggctgcag cacaacactg tgcttggttg	240
ctggccccgc aactggcgcc agaaggaaga tcatcagacg tggaggaaact tcattgagct	300
ggtcggggaa accacagctg gccacttagc cctgctggtc accaagaacg tttccatggt	360
tcctgggaac ctgagcggtc tctgagggca gcatcgacgt tttgtggatt gtgcac	416

<210> 1295

<211> 414

<212> DNA

<213> homo sapiens

<400> 1295	
taccaatata attaatctg ctgctgaatt tggttcatat tgaatgtggt aacccttata	60
tgtggatata ttcaaacatg tggattgatt tagatcatcc gttttgtctt tgtttttttag	120

gactttgcta tttcaatatt aaagatgtct tttgaatact gtagcagcag tagaatccct	180
atgttcttga aaatgcaaaa tgtaacatga gttgcacata gactctctag cagtagaaat	240
ggaatattct aagtgcagaa gtttggtttt agaatctgtt aaggaaggac ggccaatct	300
ttgaaaaggt acagctttct caactttgaa catctggggg aactcttctt ggaagtctga	360
attttaatat ctttaatcca atggctctaa attaaccaaa cattaaaaaa tgga	414

<210> 1296

<211> 468

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (32)..(32)

<223> n=unknown

<400> 1296	
cattaagtgt actgtacata aatgtattat anggaggggc aataagccaa taaataacat	60
cgctttaaac actataaagt ccagtttata gcgaattatt ttctacagta caaaacgaat	120
acagaaaaca catttggaag gatcacagtg tttagaacat tgtaacagca gttgtaaaaa	180
ccataaagtg catctctaag cttctgactc tatcttgctt atagagattt cattatacca	240
tgcagtgggc tgtgagcaaa ctcccacatg aaagggaagc aatatcaact gactagtact	300
atcccctgca gaacaaccaa taacaaaagc taaattctga tgagcatttg caagttgatc	360
cttcttagtc tgcacaccag ctaacttgct ccagtgatca cgtctttctg tattatcatt	420
tgccattttg tccttgaaaa taatatatat cttatagctt atgattgc	468

<210> 1297

<211> 437

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (201)..(356)

<223> n=unknown

<400> 1297

ctttcccatc tcttcattggc tgatttctca gggacataca gaggaaccag tggaagctgg 60

ctttgatgtg agaggtgtat actcacacct attacattca ccttaggata agtaggtcag 120

aaccatttcc tcactttgat tattcagttg cagagaaagg gagatttttt tctccacccc 180

catgatattt cagagtcatt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnccat 360

tgacagtgat ttaaccattg atgactagac tgataagact gaagtcttga atacagaccc 420

agttaagttt acttttag 437

<210> 1298

<211> 389

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (68)..(91)

<223> n=unknown

<220>

<221> misc\_feature

<222> (293)..(338)

<223> n=unknown

<400> 1298

cacctgtgct cagaaccggc tctgtcctcc gctggcttgt gggctctctg tgccctggggg 60

ttctctgnaa aatgaggtat tagttgtatc natctcatgg gattagtagg tggattaaac 120

cagttaatac aggtaagtac ttaatgaatg tgccttcgt tttgaacgta ttgattgggt	180
tctctctatt gttttctata ggggacaagc tatgggaggt acagtgtgag tctcgcacct	240
tcacagtggc gtggcacccc aaaaggcctc tgctggcatt tgccctgtgat gtnaaagacg	300
gcaaatatga cagcagccgg gaagccggaa ctgtgaantg tttgggcttc ctaatgattc	360
ttgagaggag gttgtaggga gatgatgcc	389

<210> 1299

<211> 223

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45)..(67)

<223> n=unknown

<400> 1299	
aaattatata tatatTTTTT taattattta aaaaaacttc catgnncttc cattccccctc	60
cctccanact aggtattgtc caagttgtat caaatgccac aaagtctacc atgcacccag	120
aagcagagaa gacaggaggt ccagaggaca aggtatgctg gggtcactac tcgcactgca	180
gagtcacgc gagttaactc atgctggggg caaagaatgg aaa	223

<210> 1300

<211> 384

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(46)

<223> n=unknown

```

<400> 1300
gacggcatcc cctgtgggtg ccagcatctg tgctgcgaat gtggancact gcagttcttt      60
gacttttctt ttcccagaaa tgggattccc ctctgtcttc tgagccagtc caagacatgc      120
tggtgtcttt atttactget ccctttgtgc ctccagaagt ccctgttgaa tagtggtctg      180
tctttggtgc tctacctgac atgtgggttaa ctacttgctt ttttggtcct ttgttggtgca      240
ggagttgagt gccaggctca cggttttttg attaccatag ttttgtagtt tttgaaattc      300
agaagtgtga gacctccaac tttttctttt tcaagattat tttggctggt gagtcaatta      360
tgattccata tgcatttttag atgg                                           384

```

<210> 1301

<211> 319

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (54)..(146)

<223> n=unknown

```

<400> 1301
ccatcttcaa attagaaact gggccctcag acaccaaacc tgctagtgcc ttgnnnnnnn      60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
nnnnnnnnnn nnnnnnnnnn nnnnnncaga cttagacact gtatgattcc attactggaa      180
ctctagaaaa gcaattctaa tctttctaaa aagataggaa agagtcattg tttggagcca      240
gcaaagggga aaggattgat tgggatggga cacataggaa attgccggtg tgatagaaat      300
gttttgtctc tatctatga                                           319

```

<210> 1302

<211> 384

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (6)..(371)

<223> n=unknown

<400> 1302

tctgtnatgg acgtggccac tgtnagtgtg gccgctgcc	ctgccaccag cagtcgctct	60
acacggacac catctgcna	g atcaactact cggcgatcca cccggncctc	tgcnaaggacc 120
tacgctcctg cgtgcagtg	c caggcggtgg gnaccngnga naagaagggg	ngcacgtgtg 180
aggnatgcaa cttcaaggtc	a agatggtgg acgagcttaa ganagccgag	gaggtggngg 240
ngcgctgctc cttccgggac	g gaggatgacg actgcaccta cagctacacc	atgnaagggtg 300
acggcgcccc tgggcccac	a agcaactgtcc tgggtgcacaa gaagaaggac	tgcctccgg 360
gtnccttctgg nggtcatccc	cctg	384

<210> 1303

<211> 125

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (6)..(110)

<223> n=unknown

<400> 1303

ttgtntctt cntcaactgga	gtctgtttca gantcngagt cncgtgcgt	ntcttcnnnn 60
tncttcttnt gttttctttt	cgntgntttt ttctttctcc ttttcttggn	cctttctttt 120
gaacg		125

<210> 1304

<211> 507

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (72)..(72)

<223> n=unknown

<220>

<221> misc\_feature

<222> (215)..(215)

<223> n=unknown

<220>

<221> misc\_feature

<222> (451)..(451)

<223> n=unknown

<400> 1304

gcgccccct ctaacgggcg gcgggggcgc tggccccctc cctgcgccac atctgtcccg	60
caccgggcgc anagctgatt catctgcagc caggtccggg aaggaactgt gctccccggca	120
gttgacgggc agcgtccggg cgggtggctt gtccccagga ccgcgctccc cccgagccgt	180
tttaggtatt gttgcagcat ctggcagtga gactnaggat gaggacagca tggacattcc	240
cttggaacct tcttcatccg ctggctcagg caagagaagg agaaggggca acctacccaa	300
ggagtctgtg cagattcttc gggattggct gtatgagcac cgttacaatg cctatccttc	360
agagcaagaa aaagcgttgc tgtcccgca aacacacctg tctacgtac aggtctgtaa	420
tggttcatca acgcccgcg cagtcctccc ntgaacatgc tgagaaaaga tggaagatcc	480
aaatcattca caatttcccc cgtgggg	507

<210> 1305

<211> 496

<212> DNA



<213> homo sapiens

<220>

<221> misc\_feature

<222> (67)..(85)

<223> n=unknown

<400> 1305

gaggcatgtg agtaagggtta atttgccagt cctgggcagg tgcaaattccc cgagcttgat	60
gagtaginnaa ngnagggggc ctgancaatc cctgaggagt agtagaatag cagatggaac	120
actgaaaatt gatttccttg aggatagatt tccatgatgg aaaggaaatg agaggttcta	180
agagacgggc tagcggctta taacctacat ggaagaggct atgaaatgac gacagaatag	240
aatgggcctg tcagcctgga aggagatatt ttccttggtc taagaaccat ttgccttggtg	300
tgggaagaga ttaataagtg gaagtttcag taggggagta ggtgggagt accaatgaga	360
aggagaaaaa ctggctgtga gggacagaag ttggaatgct agtggctttt ttagctacct	420
tatcagcata agtgttgccc taagcaatgg gatctgacgc cttttgacag cccttgacgt	480
gaatgactcc agcttc	496

<210> 1306

<211> 363

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (18)..(18)

<223> n=unknown

<220>

<221> misc\_feature

<222> (165)..(165)

<223> n=unknown

<220>

<221> misc\_feature

<222> (318)..(330)

<223> n=unknown

<400> 1306

cgctgagcag cgagccgngc cagtcccagc gaacgcacat caagacggag cagctgagcc	60
ctagccacta cagcgagcag cagcagcact cgcccccaaca gatcgccctac agcccccttca	120
acctcccaca ctacagcccc tectacccgc ccatcacccg ctcanagtac gactacaccg	180
accaccagaa ctccagctcc tactacagcc acgcggcagg ccagggcacc ggccctctact	240
ccaccttcac ctacatgaac cccgctcagc gccccatgta cccccccatc gcgacactct	300
ggggtccttc catcccgag acncacagcn ccagactggg aaaaccgtct acacacagtc	360
atc	363

<210> 1307

<211> 429

<212> DNA

<213> homo sapiens

<400> 1307

cacactgttc aactaagagt agtttagctg ttggaaaaat aagagcattt aattttatct	60
aaaaatatgt ataaatcccc tcaaatgggt aatgaatcat acacagtaca tactaaaaat	120
atttaaaata gagaatattc ctcacagagg acttttttct ttaattactg ctaaaaaaat	180
aattacaaag tccaaacagg cagagagatt tagcacactg atcacacgat tctccatcat	240
cctccacgct tgctctgaag agggtttaaa aagtcagtt tctcgttgat ttcgctgctc	300
catttagcca aggttggcct ggccactgat tggccacaag tgggtaatgc gcttggatag	360
gtcatgtttg tgtcttgaa atttgggtac gagttgcctt tagcttaaata gtctttaagg	420
aagaagaag	429

<210> 1308

<211> 441

<212> DNA

<213> homo sapiens

<400> 1308

```
cagcgtctct gtgacttggc aggacccagc tccactgaat cagagtccag aaaaagatca      60
atttcaaaaa gaaagtctca tctggatctc ctcaaactca tcatggatgg catgaccgaa     120
gcatgcatca aggggtggcat cgaagcttgc tatgcagccg tgtcctgtgt ctgcaccttg     180
ctgggtgccc tggatgagct cagccagggg aagggcttga gcgaaggtca ggtgcaactg     240
ccgcttctgc gccttgagga gctgaaggat ggggctgagt ggagccgaga ttccatggag     300
atcaatgagg ctgacttccg ctggcagcgg cgagtgctgt cctcagaaca cacgccgtgg     360
gagtcagggg acgagaggag ccttgacatc agcatcagtg tcaccacaga cacagggcca     420
gaaccactct tcgagggaga g                                     441
```

<210> 1309

<211> 283

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(238)

<223> n=unknown

<400> 1309

```
anccgctgta nctgtgcaat gccagtgatg acgacaatct ggagcctgga ttcatcagca      60
tcgtcaagct ggagagtctt cgangggccc cccgcccttg cctgtcanng gctancaang     120
ctcggatggc gggtgagcna ngagccantg ctgtcctctt tgacatcact gaggatngag     180
ctgctgctga gcaactgcag cagccgctgg ggctgacctg gccantgggtg ttgatctnng     240
gtaatgacgc tgagaaactg atggagtttt gtgtacaaag aac                          283
```

<210> 1310

<211> 202

<212> DNA

<213> homo sapiens

<400> 1310

```
agtgccctgat tcaagcgtct gtctggttca gatataaata cccatgtggg tacctaggtg      60
ctagtctccc cactaactga gggaaaaagg ttcccagggtg gggtcctctg cccactttgc      120
caccacattc acattccaaa tgggataatg cctgaggggc caagagtggg caggctgccc      180
tgggggtgaat gtcaccctga tg                                             202
```

<210> 1311

<211> 419

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(416)

<223> n=unknown,

<400> 1311

```
gntncangcg gcaccacact cagtccatta agtaciaaaga ggagaacctg gtgagtgang      60
cgggacttag ggacatgtgc tnggagggac tcagggtggga gtcggagtgg aaggncctcc      120
caggctctgc cacaggccct gnactgcaat gagctctggg agggcctcag gagccccgct      180
tgcttattct tgctcacact tggcaccatc ttnaaaaaaa acagtttcct ggtggattgt      240
ttcaagattt gagacagtta ctggtgctaa gtaaagaaat ttgggttgan agcagccctt      300
tctctttgcc gccacagct tcacagggga ggggagcttc tgtggcttgg ttccaggcct      360
gggtcctcct ctgatctgct gtgtgaccgc atttanagtc acttcccctc tttctnagt      419
```

<210> 1312

<211> 212

<212> DNA

<213> homo sapiens

<400> 1312  
cctcagacct cttcatagga ctcacagtcc actaaccacg tgatgggtga tcgtgggttc 60  
ccatgtctcc tctccctgg tctcagacc tcttcatagg actcacagtc cactaaccac 120  
gtgatgggtg atcgtgggtt cccatgtctc ctctccctg gtcctcagac ctcttcgtag 180  
gactcacagt ccacttagcc tcccgtctc ca 212

<210> 1313

<211> 373

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (333)..(333)

<223> n=unknown

<400> 1313  
attagtacaa ttagcttcag agttgatatt aatagaaatt attccaaaat tattcttgtc 60  
acaagtaact actatatccc acataaaaag ggaaaaaatc ccaccaatc acagaaaagg 120  
catcctctgt atgtttccgt ggcaatgcgt tgtttatgta ttctcaaatt ttgtctggct 180  
agttatccac cgctttctca atggattcat tcagtttctt ggagaaccat atagactaat 240  
gacagcatct gggacacacg gacgtatcaa gttcatgggtg gacattccta ttataaaaaa 300  
tactcaggtc ttgagaattc ctgtgctgaa ggntcccaa atgctttcta aaaagcatta 360  
gtcatgcctc aaa 373

<210> 1314

<211> 537

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (114)..(136)

<223> n=unknown

<220>

<221> misc\_feature

<222> (482)..(482)

<223> n=unknown

<400> 1314

```
ctcttttctt atgttgctc ttctccaatt tctctattct cacctcttgg aattgccaac 60
agatggaagg tagatctgtc ctctatgtct cctaactttt ctttttttaa ccannnnnnn 120
nnnnnnnnnn nnnnnntgca ttctggggaa atccttggcc caggttccac tcataattct 180
ttcttcaacg atattctttc agtgggtgtcc taacagtctg atcagtctta tagttcaata 240
aataaatttt taatttccag ctcccaaag tttcatttcc aggactcaag gttcatttta 300
gatacatcca aatgttttga agtctatgta aaatatgtgt gtgatacaag tatagattcc 360
aacaatcaca cagagctctg ttcagatctt gtttctctgc cattaactgt gttgtggcgg 420
ttacctgatt cctctgagct tcaattttct agcaaaattg tggtaaaaat gttatactgc 480
cntattgtgg agggatgaaa tcccataatt gtaataatat tacctaacta gctaact 537
```

<210> 1315

<211> 403

<212> DNA

<213> homo sapiens

<400> 1315

```
ggggaggaga ggagaggaga ggagagaaaa ggagaggaga gaggagagga gagggaaaagg 60
tgtgtaggct ccacccaaag catggccagg tttacccttg gagggaaaagt cacaagctca 120
tgtccagaag gccagtagca gcaagctgct ctccagccca gatttcttat cctgtgtacc 180
tggagcttgt ttctcagatt ctaactctca caactgaagc ctctgttgct tgattactat 240
ctgagaattc tacacaattt taccctcgat aaaagcagta atttcttctt catctttccc 300
agatcaactc ttgtagtaga tcaacatttc tgggaccttc ttttgcattg ttaaaacatc 360
```

acagctgaat cttagcaaca ggaaggtttg tttttatggt tca

403

<210> 1316

<211> 597

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (189)..(189)

<223> n=unknown

<220>

<221> misc\_feature

<222> (584)..(593)

<223> n=unknown

<400> 1316

ggtgaaatct ctggtgttct ggggcacagc tttcttgaag accaaagtag aaatccttag	60
aataactcat tctccactta gagttccatc tcttgaatcc accttttagaa caatggggttt	120
ttctgggttga agaagtcctt gcgtgtctaa tttcaagggg atctgtgttt ctttacaagg	180
tttgaaggng aagttctgaa ggactctgat tagagcaagt ttcattgttca tgagagcaaa	240
cctcatgcca atgcagtttc tgggtccagt tccaaagggt gtgtatatgt aaggatctat	300
gctgtccttc ttcttactga acctttcagg gcggaactcc tcaggctctg tccagtactt	360
tgggtcatgg tgaagagcat aagttggaat cacgaccatt gaccctttgg gaatgaatac	420
cccattgatt tcaacatctt tcttgcaagt cctctcaagt ctaatagcaa ctgggaataa	480
tctgagtgtt tcattcacca ccatgtcaag gtactccatc tgtaccacgg catcataggt	540
agggtgtgcc ttattggggc aaaactgcat caatctcctt ttgnagtttc tgnctgg	597

<210> 1317

<211> 427

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (424)..(424)

<223> n=unknown

<400> 1317

```
ccaaggcgcc tggcagtccg cctcgggggcc caggccctcc tgggggctgc caagatgctg      60
ctgcactcag aacagcaccc aggccagctc aaggacaacg tcagctctcc tgggtggggcc      120
accatccatg ccttgcatgt gctggagagt gggggttccg ctccctgctc atcaacgctg      180
tggaggcctc ctgcatccgc acacgggagc tgcagtccat ggctgaccag gagcaggtgt      240
caccagccgc catcaagaag accatcctgg acaaggtgaa gctggactcc cctgcagggga      300
ccgctctgtc gccttctggc cacaccaagc tgctcccccg cagcctggcc ccagcgggca      360
aggattgaca cgtccttgcc ttgaccaacc atccttgcca accaactttc ttctttctct      420
ttgntca                                          427
```

<210> 1318

<211> 362

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (5)..(5)

<223> n=unknown

<220>

<221> misc\_feature

<222> (334)..(357)

<223> n=unknown



<400> 1318  
 ccccnacaac aaaaaagaat gttttggtat tggagaaggg atggtcagtt agcctgtctg 60  
 tcacacgacg gaatggatac tgggcccggg gaccactttc atactcacgt cctcatcctt 120  
 ggatacccag gggagggcga accgttttcg ctctgtgtgc tgtacgcagc atggtgggat 180  
 cgggagtttc ggcacagact atcccatcaa gccgttggt cctttcagct actacgttac 240  
 cacgttccta aaacgcaagc tctccggacc agacggacac agggagaagc tagtttcttt 300  
 catgtgattg aaatgatgac tctactccta aaanggaaaa aacaatatcc ttgtttncag 360  
 aa 362

<210> 1319

<211> 84

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(83)

<223> n=unknown

<400> 1319  
 ttcnaatact cncctatttc tncnctanta tgggtaanta gctggaaant gtanagtctg 60  
 catccnctta acaatgaaga gana 84

<210> 1320

<211> 433

<212> DNA

<213> homo sapiens

<400> 1320  
 atttcacttc agatgtttat gtttttgttt tttttgtctc caatgatggg aaaaataaaa 60  
 actacgcatt acttaaagga gtttccctca catgtaaaca ctgttaggaa gtctggatta 120  
 agttgaaagt cctgttttaa ctttttttct ctcataacc aaacactctg tatttctctt 180

aaagaagccc tttaagagaa agccctaatt ttatatctga cagtaaagtt tgctgcaagt	240
gtatgagttc aaacacatcc cttgttttct gtccttaggg gaaaagtcac gtagtttttag	300
cttggtccca gtgttaatat tatattcagt agcagcctta gaagagtggg ctaagacttg	360
aacctggagc aattttatag cacagaatcc tacgaagata gggctgtgga catttgtttt	420
ctttttcgtg tgt	433

<210> 1321

<211> 541

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (176)..(200)

<223> n=unknown

<400> 1321

ttttgaaaat atgaaaaata aatcacatct ccccaaaatc atctaagaga catattttaca	60
caagttctga ccatgctaaa aaattcatga atgtgatggg gtataaagca tttggtacat	120
gatgatactt gctttccaga agctggcatt tgcataattat aaaacggtta gaaganggnn	180
cttngacctc ggaatgtacn agacaatagt tttatgtttc ttctcaatat acagtgcct	240
ggaaggactc cctgttggtta aaacctgctt cccactgct cagcctgcca tcagccatcc	300
agctgcagag cagtggagag taggtctcac cagtttttgt gcagatgctt ctaaccacaga	360
gtcctttctgc ttacttcatt ggacaatatt gccctttcta agaaaaccct tttagatcct	420
gtactccact tagcaaatgc cctgccagca aagtcacaga tgactttttt acccaatcct	480
aggtaaactt ggattatctg cccaaccgtg caagtcaata agccaccctt gaaaactgtg	540
t	541

<210> 1322

<211> 562

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (507)..(528)

<223> n=unknown

<400> 1322

```
acacaggggtg tgagagaaaag acaggaggtca ggggcactcc agggcttttg accactggac      60
agtggcactg ccctcagctg agatgggcag agttgcagta gacagagccg acttggagga      120
tctacggagt gccgcattac aggtggcgct gggagtttct tttatgtcca aacataggtg      180
caggtgggca gtaaaatgca ggaggcccaa ggacagggca gaggcccagg cgggaggtaa      240
atttgggtgtg atattgtgtt taaagccatg agactgaatg cgatcaatga gaggaaagac      300
acgttggggtt tggggccctgg gcaccccagt ttctggaggt tgaggtaatg aagatggcag      360
agcaggcgct gccgggtgtt ctggaactgg ggagaaaccg agctgcgttt ctccctgcag      420
agagtggcca gctccgacac atttgtccca tgtgtcagtg ggtcttggt tcaacttgat      480
gtttatctgt tttctttgta gaatgangag aacctgtgca aatgatgntt aagcaatcta      540
ctttttaaga agacctatat ta                                         562
```

<210> 1323

<211> 442

<212> DNA

<213> homo sapiens

<400> 1323

```
atcggatctg gctataatac ccctgctgac atttggagca cggcatgcat ggcctttgaa      60
ctggccacag gtgactatatt gtttgaacct cattcagggg aagagtacac tcgagatgaa      120
gaticacattg cattgatcat agaacttctg gggaaggtgc ctgcaagct cattgtggca      180
ggaaaatatt ccaaggaatt tttcaccaaa aaaggtgacc tgaaacatat cacgaagctg      240
aaaccttggg gcctttttga ggttctagtg gagaagtatg agtggctca ggaagaggca      300
gctggcttca cagatttctt actgccccatg ttggagctga tccctgagaa gagagccatg      360
ccgccgagtg tctccggcac ccttggctta actcctaagc ccctggccag caaccacagc      420
agagattaca cacttgaccc tc                                         442
```

<210> 1324  
 <211> 416  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (380)..(398)  
 <223> n=unknown

<400> 1324  
 gcgaacctac agcagctccc ttcaaacgct ccagccccag gaccatctcc ttctggatga 60  
 aaccaagaa agaaaactcg gaaacaaccc taactcgcag tgccagcatg aagctcccag 120  
 acaacacagt gaagttggga gagaagctgg agagatacca cacggccata cggagatcag 180  
 aatctgtcaa gtctcggggg ctgccttgca ctgagttatt cgtggctcct gtgggtgtag 240  
 ccagcaagcg ccacctcttt gagaaggaac tggcggggcca gagccgagca gaaccagcct 300  
 ccagccggaa ggagaacttg aggctctcag gggttgtgac atcaaggctc aacctgtgga 360  
 tcagcaggac ccaggaatcn ggagatcagg acccccanga ggcacagaaa gcatca 416

<210> 1325  
 <211> 429  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (180)..(425)  
 <223> n=unknown

<400> 1325  
 acagggtttt cagagaaagg gtaagtgggt gcacacaaaa aggcacttag ctctggcca 60  
 tggcagccgg ccaggggaagg gaggggagaa ccaagcaggg agacggggca caggggaagac 120

gcacggcagc tccttctccc ctggccagag cgggcctcag tggctgggag caggccccc	180
ggacaaagat ggggtgggtcc aggcctcana gaagggggac atcatagaca aagaggcact	240
tgctggggagc cgatgagaca ggtgactctg gagttcttga ggggcgccgt gccctgactg	300
tngatgtgag caggaaggag cangancttc tgggcaggac ataggcccca tagtgctgat	360
gtgcacntgt gctgtgacct gggcagagac tgggtcccag caatctattg tgcccgccgc	420
agggntgag	429

<210> 1326

<211> 379

<212> DNA

<213> homo sapiens

<400> 1326

ccaaagccct ggaaactaag tttctcttat ggacgggccc tgcaggccag tgcactggct	60
gcctgggggtg gcaaggctgc aaacaaggag gcaaccagg aggcttttat gaagcgggccc	120
atggctaact gccaggcggc caaaggacag tatgttcaca cgggttcttc tggggctgct	180
tccaccagct cgctcttcac agcctgctat acctactagg gtccaatgcc cgccagccta	240
gctccagtgc ttctagtagg agggctgaaa gggagcaact tttcctctaa tcctggaaat	300
tcgacacaat tagatttgaa ctgctggaaa tacaacacat gttaaattctt aagtacaagg	360
gggaaaaaat aaatcagtt	379

<210> 1327

<211> 360

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (356)..(356)

<223> n=unknown

<400> 1327

agccgctgca ccctgcccc gtacaatctt ttttgaactc aaatTTTTgc tgacatctga	60
gtgcacacac cacagtgtaa attatgcctt atcagaatct aaatgaaaat agcgaacatt	120
taaaagctat caccattgta gtagaatcat ccttcttttt tgaaatttga agcatcccag	180
gcttaaaatc ttgtgtttca gaaagacagt ttataccatg actgcttaat tatcccccca	240
aagaccttct gattgaagtc atgtacagtt cagtggctaa attctctgcc tttttaactt	300
gctttgcaag cctactctga aaataagtta ttagtcaagt tattctcaaa gatgtgccag	360

<210> 1328

<211> 434

<212> DNA

<213> homo sapiens

<400> 1328

cttttcttct caccctgtcc tcctaggcag caatcagcat ctttggcatg gttgggggac	60
cgctgctggg actcttctgc cttggaatgt tctttccatg tgctaaccct cctgtgagtg	120
atgcatctgg atccacagtc atgtgtagca ggatggacct ggggggttggc agggctgtca	180
ccaggagagc tgaggactgc cgtgagggct ggcaggactg gccttgtgac aggcctgcac	240
tgtgtctcgg caggggtgctg ttgtgggcct gttggctggg ctctcatgg ccttctggat	300
tggcatcggg agcatcgtga ccagcatggg ctccagcatg ccacccttct cctctaatg	360
ggtccaagct tctcctgcc caccaatcta accgttgcca ctgtgaccaa cactgatgcc	420
cttgactaac ttct	434

<210> 1329

<211> 431

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (27)..(34)

<223> n=unknown

<400> 1329  
gataatgtgg agaagaaact ccaaaaangaa acanagcacg gatgacagaa atgacaccac 60  
ggcagcctgg ctgaggagtc aggtagatag atggctgctc cacagtggac ctggtcatgg 120  
ccctggtttc ttggatccac atttgccccg tctcttaagt gtccatctca gaggtggagg 180  
atggagacag tgaggtggaa aacgtgcttg ctctacacaa agacaaatgg atcttctatt 240  
cccagaggac cagggacacc aaaacctccc tcttcagaat ggaggtagac agataaaaat 300  
gagaggggct tgagtgtcac agacaatctg aaagtaataa taggggctca ctgtggctgg 360  
cagaactggc actgaaatgg ggactacagg ggaagcagct tccagtttta tgggtggagag 420  
tcagtcctga a 431

<210> 1330

<211> 391

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(53)

<223> n=unknown

<220>

<221> misc\_feature

<222> (259)..(351)

<223> n=unknown

<400> 1330  
gganccctc tgtgaaggct cagcagaggt gggatccac gcncctccc ggnccctccc 60  
tgccctccat tcaggagaa acctctcctt cccgtgtgag aagggccaga ggggtccaggc 120  
atcccaagtc cagcgtgaag ggccacagcc cctcttggt gccaaagcac cagatcccat 180  
ggacatttgg ggaaagggt ccttgggctg ctggtgaact tctgtggcca ccacctctg 240  
ctcctgacct ccctgggang gtgctatcag ttctgtcctg gccctttcag ttttataagt 300  
tggtttccag cccccagtgt cctgacttct gtctgccaca tgaggaggga ngcctgctgt 360

gtgggagggt ggttactgtg ggtggatagt g

391

<210> 1331

<211> 327

<212> DNA

<213> homo sapiens

<400> 1331

aggaagttct gttatctcca agctcttcag aaaacgagat ttctgatgat gactcatatg	60
tcagtgacat aagtgataat ctttccttag ataatctcag taatgattta gataatgaga	120
gacagacctt ggggcctgtc cttgatagtg gtcggaagc gaagtcccg agaagaacgt	180
gcctgccggc gccctgccg agcagcagta acatcagcct gtggaacatc ctgaggaaca	240
acatcgggaa ggacctgtcc aaggtgggcc atgcccggtg gagctgaacg agcccctgaa	300
cacgctgcag agggctctgcg aggagct	327

<210> 1332

<211> 509

<212> DNA

<213> homo sapiens

<400> 1332

gaaatgtcaa ggtgttctac attcatataa acaatcaggg taacatttga aattgtaaag	60
aaacgcactg aggaaaatat agacttaaag agttacaatg ctaagctaag cacaagtgat	120
catcctagag tatcttttaa atatataaac acaggtttgt gccacttcag aaggcaagca	180
caggagaaat aactaatgt tatctttctt ctttactttt tcaccataag acaggatggt	240
ccagtttga aaaaccaaga tcttttctaa gttccaaata ggtgccgttg ctcacccaag	300
agtcacgtc ggatttctg aaaaaccgag gctgggtgctc cacatgattt tcttctaaga	360
cccgcgcct ttctctctgc agttgttcaa tcctctgctt tgtatttcag cttcttctaa	420
gttcccttcc tctagaaacc tctgggtctg gcctaaatcg agtggtcagt aggtggcaat	480
aaaagacttt gatgatggat ccatttcat	509

<210> 1333

<211> 500



<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (457)..(487)

<223> n=unknown

<400> 1333

```
tgccaccctg cgctgctcct tctcccccca gcctggcttc agcctggcac agctcaacct    60
catctggcag ctgacagaca ccaaacagct ggtgcacagt ttcaccgaag gccggggacca    120
gggcagcgcc tatgccaacc gcacggccct cttcccggaac ctgctggcac aaggcaatgc    180
atccctgagg ctgcagcgtg tgcgtgtggc ggacgagggc agcttcacct gcttcgtgag    240
catccgggat ttgggcagcg ctgccgtcag cctgcaggtg gccgctccct actcgaagcc    300
cagcatgacc ctggagccca acaaggacct gcggccaggg gacacggtga ccatcacgtg    360
ctccagtacc ggggctacct gaggctgagg tgttctggca ggatgggcag gtgtgcccct    420
gactggcaac gtgaccacgt cgcagatggg caacgancaa ggttgtttga tgtgcacacg    480
tctgcnggt ggtgtgggtg                                     500
```

<210> 1334

<211> 479

<212> DNA

<213> homo sapiens

<400> 1334

```
gaaagctaaa gagatgtag agacacaagt ggcccatctg tgttcacagc aatctaaaca    60
agattcccga gggctcctt tgctaggtcc agttgttcca ggaccatctc caatcccttc    120
tggtactgaa aagaggttat catctggcca aaataaagct tcaggcaaga ggcaaagatc    180
cagtggaata tgggagaatg gtagaggacc aacacctgct accccagaga gcttttctaa    240
aaaaagcaag aaagcagtca tgagtggtag tcacctgca gaagacacgg aaggtagtga    300
gtttgagcca gagggacttc cagaagttgt aaagaaaggg tttgctgaca tcccagacgg    360
aaagactagc ccatatatcc tgcgaagaac aaccatggca actcggacca gccccgcct    420
```

ggctgcacag aagtttagcgc tattccccac tgagtctcgg caaagaaaat ctgcagagt 479

<210> 1335

<211> 614

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (556)..(597)

<223> n=unknown

<400> 1335

aaaaagcttt atatacatag ctttatacta ttacattgc agtagaggaa tggcaatgct	60
aacaggtgat cagtgttcc aaactttttc aatacctaca catgggagat ctaaagagta	120
caatatattt aagacttcta aggaattggt ttctctcac taataaagca tgccctgact	180
aaagagaagt cctgtaggca cagccttacc tattcaatga ctggcacctc ccaggggtac	240
tgacacacaa agtgccttca ctggacctta cagttctcac tgccgttgga ctccagtcca	300
gctttggggc tggggacaag tcggcctcgc ttgacctca ggccctctct ggggctgtca	360
gtcggacttc tctcaggaag attattgact gggacggatt tcgtggtggg ttctcggagg	420
atggtgcttg aatctactgg gctccgctga gcaactttga cttttgtga tctgctgcca	480
ccagctgttg gtttggagga ctctgcaaga ttttctttgc cgagactcag tgggggatag	540
cgctaaactt tctgtncagg ccaaggcggg gggctggtcc gatttgccat gggttgntct	600
tccgcaggga tata	614

<210> 1336

<211> 385

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (76) .. (381)

<223> n=unknown

<400> 1336

gttggagact tgggaaaccc agggcctaaa gagaagtatc catgaggggc aaacttcctg	60
ttgaacttcc tatgtncctt ctcaagtgtc cagggatcta agtaagtgga cagcaagcct	120
gtagctacng ngtggtgatg tncctctncc agctgtaccc tcaacnaang ngcttagttt	180
ccatgtagna tgcnatcant tggntcatgc tcattcacac aaagggcacg tntntcancc	240
tggtatcagg gaaattncga cttatttntg ccctaaaacg tctccctagc tgtncctcgt	300
ggggttttaa tgtntgtatt natgcctaatt ttgcntttac tggccaagcc ttgtggcacc	360
agcaatctcc aaagtcctgt ngtagg	385

<210> 1337

<211> 384

<212> DNA

<213> homo sapiens

<400> 1337

tgtttgccca gtgccacgca tgggtgcccc gcagcactac tacgatgcct gcgtgttcga	60
cagctgcttc atgccgggct cgagcctgga gtgcgccagt ctgcaggcct acgcagccct	120
ctgtgcccag cagaacatct gcctcgactg gcggaaccac acgcatgggg cctgcttggt	180
ggagtgccca tctcacaggg agtaccaggc ctgtggccct gcagaagagc ccacgtgcaa	240
atccagctcc tcccagcaga acaacaçagt cctggtggaa ggctgcttct gtccctgaggg	300
caccatgaac tagctcctgg ctttgatgtc tgcgtgaaga cctgcggctg tgtgggactg	360
acaatgtgcc cagagaattt gggg	384

<210> 1338

<211> 367

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (14) .. (14)

<223> n=unknown

<220>

<221> misc\_feature

<222> (246) .. (246)

<223> n=unknown

<400> 1338

```
gaacaaagac tcangacaat aaatatctga agagaggaag ccgagcttag gaggctcaga      60
gggtccgggg gaggtaaagc tgtcgagggc agtgaagggg gctgtgcca ccccgctcac      120
ccgctcccca gatgcctagg ggagcgccgg gcccgggcggg aggtgccggt ggggagcccg      180
cagacgggtgt cctggcactg gcagctctcg atgtgggtgt aggtgtgtgt cagcgagccg      240
ccattngggc agctcaggac cacctcacgc tggctgggtt tctcctcttt gcagcaggag      300
cagctgtggt ccagggcctg ggccttggcc gagtacatga caaatgtccg caggaccccg      360
agcaatg                                         367
```

<210> 1339

<211> 385

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (332) .. (332)

<223> n=unknown

<400> 1339

```
gaagggtggtg cggggagcga gctgattttc ggaggctacg accactccca tttctctggg      60
agcctgaatt ggggtcccagt caccaagcaa gcttactggc agattgcact ggataacatc      120
caggtgggag gcactgttat gttctgctcc gagggctgcc aggccattgt ggacacaggg      180
```

acttcctca tcaactggccc ctccgacaag attaagcagc tgcaaaacgc cattggggca	240
gccccctgg atggagaata tgctgtggag tgtgcccaacc ttaacgtcat gccggatgtc	300
acttcaccat taacggagtc cctataccc tnagcccaac tgcctacacc ctactggact	360
tcgtggatgg aatgcagttc tgcag	385

<210> 1340

<211> 611

<212> DNA

<213> homo sapiens

<400> 1340

caagaactcc aaacccaccc agcagtctta acattaccaa tagagaggca ccagcattat	60
ctgcctcctg acaggatgca acaagaagta cccagcacca cctaggaagt atttttgccca	120
caaaatcaga cctccagatc taactaccat tttataggaa agataagttc agagaaccat	180
gtcaaatgac acctcgggat ttcaaccagc aacgttcaaa tgtgctaaac tctgtagatg	240
gaaagagact tacagacatt tcaaataaat gcaatatatg ggccttgctt gaatcctaata	300
acaacaatc caactacaaa aacagccaaa cttttgtggg acaatgggag atgcttgaat	360
tccgattgta tatttaagga tgtagaaat atttatggac aaaatgatgt aatgctcgga	420
atttgcttca gaatgatcca ggtacagcat gtggagctgg agagaggagt gggcagcagt	480
gtagataaac aggctggcc gtgtgtggat gggttgtcag ggctgagtgg agttgcaaag	540
gggtttatta taccatgatc tctgcttggt catatgtttg gagatttcat aatcaaagt	600
gaaaattttt g	611

<210> 1341

<211> 328

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (48) .. (163)

<223> n=unknown

<220>

<221> misc\_feature

<222> (308)..(323)

<223> n=unknown

<400> 1341

aaaaactaca ccagtagggt gattcaatca agatgtatgt agacctanaa ctacaccaat	60
aggctgattc aatcaagatc tgtgctcnca gtgggctgat tcaatcaaga tgtatgtntg	120
ctatgttcta agtccacett ctatcccatt catgttagat cgntgaaacc ctgtatccct	180
ctgaaacact ggaagagcta gtaaattgta aatgaagtaa tactgtgttc ctcttgactg	240
ttatttttct tagtaggggg cctttggaag gcactgtgaa tttgctattt tgatgtagtg	300
ttacaagntg gaaaattgat tcntctgg	328

<210> 1342

<211> 538

<212> DNA

<213> homo sapiens

<400> 1342

tattaatcaa aggcacaaac gaaaactaag acttaaagtt gaccataata ttgacaagtc	60
atatcaacct ggtaccagct aaatttaatg aagataagtt ccactgaatt cctaaggaaa	120
atacaacaat tccgacacca tttaataatt agaaactttc aaacaagagg gaaagtatga	180
acatcataat aaatgcctca atttggaggc aaagaaatgt aagttgtgtg ctgaaacctg	240
atgtatcaca gaacatcagt agtcccttcc agtcgtggat gccttagacc caaggcctta	300
cactgttata accatctggc aaccctgatg agggatgcca tctattgact gactgaaatt	360
aaattacaca atgtgactct ctgcctgtca gcagaacaga gagtcataaa acattttaac	420
ttcttggtgc aaattatata atcaaaccag ataaccttga ctgggaagga gccagttcag	480
aggggtgaat ttctatcaca ctacatcaat agcaaagtca gaggatcaat tttccatc	538

<210> 1343

<211> 135

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (70)..(135)

<223> n=unknown

<400> 1343

gtttgactcc cgtgcggtgc ggcccagcag ccacaaagct cccgctgcca ttgtccttg 60

tactcccgcn gtnactgccg ctgtccaacc cctcccccg ggnttgccg gcggctcna 120

cannctcgg nccgn 135

<210> 1344

<211> 387

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (99)..(99)

<223> n=unknown

<400> 1344

actcattgca ttttaatttt tctctagata ctcaaatagc taagcaaatag aaggtacatg 60

ccagtctttc ttcttttata cacaacagac aaaagtgtng gggggctaga caccaaccag 120

ctattttttt cccctggaac cagatcatca tactgctgag ttccttcaa ccatcaaagt 180

acagccttcc ttccaatggt gcataatctg ttcaaatca cagtataaat acaaagttct 240

tccatccatt ttacaaaacc agcaaaactc tacaataaaa tcctacagga aaaagtagac 300

caatctcatt tacaaacagc attttaacag taattattaa atgttacaaa acataagata 360

ccaaatctaa atccttaaag tcacacg 387

<210> 1345

<211> 390

<212> DNA

<213> homo sapiens

<400> 1345

```
gaccgcgcag ggagcacaca ccgccagtct gtgcgctgag tcggagccag aggccgcggg      60
gacaccgggc catgcacgcc cccaactgaa gctgcatctc aaagccgaag attccagcag      120
cccaggggat ttcaaagagc tcagactcag aggaacatct gcggagagac ccccgaagcc      180
ctctccaggg cagtcctcat ccagacgctc cgctagtgcg gacaggagcg cgcagtggcc      240
ccggctcgcc gcgccatgga gcggatcccc agcgcgcaac cccccccgc ctgcctgccc      300
aaagcaccgg gactggagca cggagaccta ccagggatgt accctgcca catgtaccaa      360
gtgtacaagt caagacgggg gattaaagcg                                     390
```

<210> 1346

<211> 571

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (452)..(535)

<223> n=unknown

<400> 1346

```
cgaggaagga aagcaaagca gcaggatccc ctagagagtt tagtctttgg tttctaagtt-      60
taaagggggg attggcttca gagcttggag caagacagaa gagtcgacgg acggatgagc      120
tggcaaggga gaaggagtc tctggggcat gagcaaggga gccgagatct tgtctggggt      180
catgaagcta gagagggtg cggcagaggc gttgaggcct gggatatagca ctggcactga      240
ggtgggatac cagcacttct ccagcatggg caggtaggca gtcgctgaag gtgggatcag      300
gtagaagggc aggcagaaag gaggctgggt tgggtgtggg cccaggaacg gggagctgat      360
caggtcactg ctagtgaaat ggccttcac atccgaaagc tgcacccggt tcttttttgt      420
```



gggggggttct tcggactctt gcttaattgc gncgatnctt tctcccatcg tgaacctgcg	480
tccgtggtca cttttgaagc acggctgctc actgcgcaag tcgcccttct cegantctcc	540
tccatagcca ctgtctgtgt ccgtgtcgct g	571

<210> 1347

<211> 510

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (463)..(490)

<223> n=unknown

<400> 1347

aaccattccc tcacagtaaa acaacaatac aggctaggga tggtaatcct ttaaacatac	60
aaaaattgct cgtattataa attacccagt ttagagggga aaaaagaaaa taattattcc	120
taaacaaatg gataagtaga attaatgatt gaggcaggac cctacagagt gtgggaactg	180
ctggggatct agagaattca gtgggaccaa tgaaagcatg gctgagaaat agcagggtag	240
tccaggatag tctaaggag gtgttcccat ctgagcccag agataagggt gtcttcctag	300
aacattagcc gtagtggaat taacaggaaa tcatgagggt gacgtagaat tgagtcttcc	360
aggggactct atcagaactg gaccatttcc aagtatataa cgatgagccc tctaattgcta	420
ggagtagcaa atggctcctag gaaggggact gaggattctt ttntgttggg tggaaaataa	480
atacagaacn aaccctgtgt cactgtccca	510

<210> 1348

<211> 151

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (20)..(123)

<223> n=unknown

<400> 1348

taagagtagc atgcaagatn ttgtaaaatg cnttanngga accaananan gttgcactga 60

aagcttaciaa aacanagaca nntaaagcnt tntntcanaa gcaacanttg tgttctccan 120

ncncacctca ttggaactga catgaagaag g 151

<210> 1349

<211> 318

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (279)..(279)

<223> n=unknown

<400> 1349

ccaatctgag gaccttcaga gacagtctac gccttaacaa gcacatgaag gaaactattt 60

tgaatgttct ctttggaac ttatccataa tttgggatca aatgttaaaa ccagaaaagt 120

gtttagtgtg gatttcagca aaacctgatc atcccacca gaagaccttc tcatcaatag 180

atcgccctta aagaccatt gtaagggtcat aaaaaacctc ggccaactgc acaaagatgg 240

tgccctactg caacaagaaa ccttaagggtg tcttaccgnc gaaataaaaa acataaatga 300

ttgttctcca aggctga 318

<210> 1350

<211> 575

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (184)..(184)

<223> n=unknown

<220>

<221> misc\_feature

<222> (444)..(528)

<223> n=unknown

<400> 1350

```
cgtagacgtc ttaaaacagt ttttgtttca agacaaagat gggggatatt ggattgactg      60
attacttttcg cacctaaaac tgaaaggaaa aaacttaata caagaattgg aattgaaaac      120
cctagcagga tacctagtag gtaagggttt ggatatactt gtatctgctc ataagtaaaa      180
cagngattgt gcaaattgga ctgcgctaag taccattagg ttattggtat taagggtacta      240
agtacaaggc aggtatcagc cactggtttg aaaaaattca aaccagtaaa agatgagtca      300
caaaactcct ccagccaaac ctggtaaatt tggtttgctt ctggcctgaa ggcagtgtga      360
aagtgaaata agtttcacac ttaaaactag ctgacacctt tatatcttga ccacctaaat      420
ttggtcactt acctggaaag tggnaattca caagaacgta ccctaataat ttaactggtc      480
tttagttggg acattctaag agganggaca ttgntccaga ntggggtnga cttgctcatc      540
atgagtcttg ccctcaggcc ttggagaaca atcat                                     575
```

<210> 1351

<211> 450

<212> DNA

<213> homo sapiens

<400> 1351

```
aaccttgatc ccagcaatgt ggattccctc ttctacgctg cccaggccag ccaggccctc      60
tcaggatgtg agatctctat ttcaaagtag accaaagatc tgcttctggc agctgtcagt      120
gaggactcat ctgttaccca gatctaccat gcagttgcag ctctaagtgg ctttggcctt      180
cccttggcat cccaagaagc actcagtgcc cttactgctc gtctcagcaa ggaggagact      240
gtgctggcaa cagtccaggc tctgcagaca gcatcccacc tgtcccagca ggctgacctg      300
```

aggagcatcg tggaggagat tgaggacctt gttgctcgcc tggatgaact cgggggcgtg 360  
tatctccagt ttgaagaagg actggaaaca acagcgttat ttgtggctgc caactacaag 420  
ctcatggatc atgtggggat gagcatccat 450

<210> 1352

<211> 500

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (26)..(26)

<223> n=unknown

<220>

<221> misc\_feature

<222> (490)..(490)

<223> n=unknown

<400> 1352  
ctttcaaaat ccaagccata attgngagg ggggagtttc agaattacat agaaaaatta 60  
atatttgaaa aaataattct gaaatttcga atttaaaaac agatgtgctg cttctgggtg 120  
taggtagtaa aagtatagga aaagaactgt ttccttagaa gcggactgtg gaagggtat 180  
gtagaatgtc aaagggaac aagagcctgt gtttttaatg tcacctgta ctggcaciaa 240  
atcaaaggcc aatacaagtc tgaaaagcag aaataaatat tttccaggt ttttgcttgg 300  
gcacatacta actgcttttg gcatttcta ctggtctcca aacaccaaag acccatttcg 360  
agcctgctat tagcctgctg ctgactctat cacttgagc aataatgtgg gggtatgggtg 420  
gtggaatctt gtatatTTTT gtccaaaata aaaccatgag ttaaggggat agataagatg 480  
gaaaaatacn caataaatac 500

<210> 1353

<211> 480

<212> DNA

<213> homo sapiens

<400> 1353

```
ccatctatat ctatcccctt aactcatggt tttatTTTTg acaaaaatat acaagattcc 60
accaccataa cccacatta ttgctccaag tgatagagtc agcagcaggc taatagcagg 120
ctcgaaatgg gtctttggtg tttggagacc agattagaat gcccaaagca gttagtatgt 180
gcccaagcaa aaacctggaa aaatatTTTt ttctgctttt cagacttgta ttggcctttg 240
atttgtgccg agtacaggat gacattaaaa acacaggctc ttgttgcctt ttgacattct 300
acatagccct tccacagtcc gcttctaagg aaacagttct tttcctatac ttttactacc 360
tacaccaga agcagcacat ctgtttttaa attcgaaatt tcagaattat tttttcaaat 420
attaattttt ctatgtaatt ctgaaactcc cccctcacca attatggctt ggattttgaa 480
```

<210> 1354

<211> 492

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (153)..(223)

<223> n=unknown

<400> 1354

```
cttggaagtc agtcgtagtc ctgcgaggtc tcggcgggag tggaagtgcg cagtccacga 60
cagaacaaat attcgggtgct tttacctacc tacaacgagc gcgagaacct gccgctcatc 120
gtgtggctgc tggtgaaaag cttctccgag agnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntggagaa gatctatggg 240
tcagacagaa ttcttctaag accacgagag aaaaagttgg gactaggaac tgcatatatt 300
catggaatga aacatgccac aggaaactac atcattatta tggatgctga tctctcacac 360
catccaaaat ttattcctga atttattagg aagcaaaagg agggtaatTT tgatattgtc 420
tctggaactc gctacaaagg aaatggaggt gtatatggct gggatttgaa aagaaaaata 480
```

atcagtgatg ga

492

<210> 1355

<211> 259

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (139)..(250)

<223> n=unknown

<400> 1355

tgaactgtta aaactaaagg cacttaaaac aagaatgtga ctagtgtgaa acaagatggg	60
caactcaaat ggtgagaagt aaacatacag tggctctgtta tggcactaac tcaaagtaag	120
actcgcgtag gtgaagatnn gttgcntagc cacantataa cttcacatgg tcattaaana	180
ggcaaatttg accgctaaaa cttcnnagna aaagtactca taaaaaagtn ttaccccaaa	240
atngccaacn aatacatta	259

<210> 1356

<211> 523

<212> DNA

<213> homo sapiens

<400> 1356

gattacaggc gtgagcacca caccatcct cacattactt tcatgatggg tatcttctaa	60
gatttccatt ataaaataca gagtgtgggtg agcattcttg tacatacatc ttacatactt	120
gtgcaaatat atatgtaggt taaattctaa gatgtggaat tgcaaagttt gtaaagtgtg	180
tagttttcat ttgataaact taaaaaatca atatcaaaat taaagtcata attttatatt	240
gataaggccc tgggtgaattt ataaaatcaa acttatTTTT ctaggtccta ggcctactta	300
caagcctcca gtctcaaatt atccaggata tcctaaacct gaggaaggaa tacttgacag	360
tttgatggtt tgggtcattg ctgtgattgt tattgccata gttgttggag ttgcagtaat	420
ttgtgttgtc ccgtacagat atcttcaaag gaggaagaag aaagggaaag cagatgggtg	480

agctgaatat gccacttacc agactaatca accactccag cag

523

<210> 1357

<211> 572

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (568)..(568)

<223> n=unknown

<400> 1357

ccatttttta aaaaatgagc aataaagaac ctctatcagt gagacttctc attttatagc	60
aaatacattt ttgcagctta aattttcttg aattcatata cgcttctgtc atttaaacia	120
acttccagag aaaactgggc tctatatatt taagtaacia atttgacaaa atacatattt	180
atacatatat agatctctaa tataaatatt aaatttgaaa aaatcaaag tgaagcagaa	240
actgctatac aagtatattg tataatattt attttataca ttaaagtatt tgggtgaata	300
tacttcaatt aggtttctaa aaaacacccat tatctgcttc ttagtaattg cgacattctt	360
gaaaagcatg tgaaacgggt ataaacttca actctgtgct taattcagaa ttctgtttg	420
ttctctctaa acttttatct tcctaaagca tcttgccaga gactacaaag gaaaggaaca	480
tttacagagc actataaaca tgtcttggac agtaaaacag tatttattct tctacactcc	540
tgattttcca atccatatct tcctcaangc aa	572

<210> 1358

<211> 458

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (303)..(303)

<223> n=unknown

<220>

<221> misc\_feature

<222> (437)..(437)

<223> n=unknown

<400> 1358

```
gccggtgacg tggatatcgg cgatgccgcc tactacttcg agagggacat caagggcgag      60
tctctattcc agggccgcgg cggcctggac ttgcgcgtgc gcggagaacc cctgcaggtg      120
gagcgcacgc tcattctatta cctggacgag attcccccca agttctccat gaagcgctc      180
accgccggcc tcatcgccgt catcgtggtg gtcgtggtgg cctcgtcgc cgcatggcc      240
gtcctggtga tcaccaaccg gagaaagtcg gggaagtaca agaaggtgga gatcaaggaa      300
tgngggagtt gagaaaggaa ccgagcttgt aggtaccgg cggggcaggg gatggggtgg      360
ggtaccgat ttcggtatcg tcccagacc aaagtgagtc acgcttctg attcctcggc      420
gcaaaggaga cgtttanctt tcaaattcct gcttcccc      458
```

<210> 1359

<211> 534

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (65)..(65)

<223> n=unknown

<400> 1359

```
ataaaattac agcaacatta tcaaagacaa catatgtaca aacattttac aaaaaagaac      60
attancaata tcagtggcag taagggcaag ctgaagaata aatagactga gtttccgggc      120
aatgtctgtc ctcaaagaca tccaaactgc gttcaggcag ctgaaacagg cttctttccc      180
```



agtgacaagc atatgtgggc agtaatacaa acgatggtaa atgaggctac tacataggcc	240
cagttaacaa actcctcttc tctcgggta ggccatgata caagtggaac tcataaata	300
atttaaacc aaggcgataa caacgctatt tcccatctaa actcatttaa gccttcacaa	360
tgtcgcaatg ggattcagtt acttgcaaac gatcccggt tgtcatacag atacttgttt	420
tttacacata acgctgtgcc atcccttct tctgcccc agtcaggttc ctgttggtgg	480
accgaaaagg gatacatctt agaaatgctt ccctcaagac agagtgagaa agaa	534

<210> 1360

<211> 336

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (205)..(310)

<223> n=unknown

<400> 1360	
ttcctgggcc actgtcctag actgcactgc aggaatgcct catgccgggc gagctctgcc	60
ctgctgtgag cagcagccac cacacagctt ctaaggctgc gatgagcaac ctgggtgcaa	120
tagaagccac ggggaagcct tgaccagac ttgggaggag tagggagctt cacaggacag	180
gtgacatctt agctgagact tgaanggccg ggagcagtga gtcaggccga gaagtagcaa	240
agaagactnt tctgcacana ggaacacagg nttcaaggct ggctngaggc tacgagaatg	300
tnccaccgn ggacatccac atgaagccag tggggg	336

<210> 1361

<211> 359

<212> DNA

<213> homo sapiens

<400> 1361	
tttgagatgt agtgctgggg catctatatg tttttttaa agaaccaaga gattacaatg	60
ggtagccaag gtttgagaat ccctgctttg atatgcagct gacaagttat agtatcttca	120

cattggtagt cgcagcacct gctagcagtg taatatgctt tacttgaatc atttccacat	180
ctgcacctca attccctggg cctgggggttg ccatttggtg ggggaggagc ttatcaggag	240
ttcctttgca agtgcaggag ggcagtcctg gggtctgtta gtgacagcgt gatttcagtg	300
aaataattta gaccccccaa gcagactgtg caacggatag cccttgaga gtgcccgtg	359

<210> 1362

<211> 508

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (360)..(360)

<223> n=unknown

<220>

<221> misc\_feature

<222> (491)..(491)

<223> n=unknown

<400> 1362

aatggaaact cttattagat gctgcatgta ctgtgctatg gaccacgcac atacagccat	60
gctgtttcag aagacttgaa atgccattga tagtttaaaa actctacacc cgatggagaa	120
tcgaggaaga caatttaatg tttcatctga atccagaggt gcatcaaatt aaatgacagc	180
tccacttggc aaataatagc tgttacttga tggatatcaa gaagaaatgg ttggtgatgg	240
ataaattcag aaatgcttcc ccaacggtgg gtgggtttta aaaagtttca ggtcacaacc	300
cttgcaaaa aactgatgc ccaacacact gattcgcggt ccaggaaaca cgggtcttcn	360
aagttccaag gggctggggg tccccaacga tcaagttcct gtgctgtaat caagagggtc	420
ctttggactg gatagggagc acttgggagc tgtacaccat cagtcataat ggatggcagt	480
gtaaaagatg nttcaaatga cctagtga	508

<210> 1363  
 <211> 306  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (92)..(268)  
 <223> n=unknown

<400> 1363  
 cgctgaccaa ccagatcgat gagaactggt acgagggcat gctggacggc cagtcgggct 60  
 tcttcccgct cagctacgtg gaggtgcttg tncctctgcc gcagtgactc aaccgtntcc 120  
 ccgccccggc ccttcgtcca aaatggcggc aacccttgct gggctctctg cattccacgg 180  
 agcccctgct gccagggcgg tgtctgancc tgccggcgcc acctgggccc cggcccttga 240  
 ggtatccctg agcaggaccc cacacttngg tggggggggt atctgggtgg gtgggggatgc 300  
 ctgttt 306

<210> 1364  
 <211> 488  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (14)..(65)  
 <223> n=unknown

<220>  
 <221> misc\_feature  
 <222> (286)..(424)  
 <223> n=unknown

<400> 1364  
tcaatatgca ctgnaccgtg cccaaagctg tgtgctcatc tctgcgcccc tcatgtactt 60  
ctgangaggg ggggtgcaggg cagggcagag cagagcctgg ggtccggagg cttcactgga 120  
ccacagaggg aggggaatgt gaatgtgggc tggcccagag aactcccat ttcacgatt 180  
ttgcattggg cgatagagga agcagatgtc ggggctgcct gccttggctt agaggagatg 240  
gctggggcca cttccccaca ggggtgaagtg gcagcggctc agcaanggga gcctggccac 300  
caggggctgg gaaatgcgct cactggaacc tttgtgcttg gccctcggca gcgcggctgt 360  
ggccccgtgt taagtgttct gntttgggtg tgggtggctg gtgggtggcag cttgttccag 420  
agnacaaag gcctccctgg gttgggatgg gggcagttaa aaaaactgaa aaggtaactt 480  
ggctttct 488

<210> 1365

<211> 552

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (522)..(522)

<223> n=unknown

<400> 1365  
gggcacctgg cctgggtgga gcccactcct cagcaccac ctcacttctt gcagtattct 60  
gcagacccca gccctgtgcc tgtgctcctg gacagctgga gataaggagt gggccctgga 120  
agatgctcat tcaggccctg ctcaagattc cagtccctgat tgctggactc gctgaagaga 180  
gactacgcag gaaagcccca gccacccatc aaatcagaga gaaggaatcc accttcttac 240  
gctatggcag gtaagaaagt actcattgtc tatgcacacc aggaacccaa gtctttcaac 300  
ggatccttga agaattgtggc tgtagatgaa ctgagcaggc agggctgcac cgtcacagtg 360  
tctgatttgt atgccatgaa tttgagccga gggccacaga caaagatatc actgatatct 420  
ttctaatect gaggttttca attatggagt ggaaaccac gaagcctaca agcaaaggctc 480  
tctggctagc gacatcatga tgagcagaaa aaggttcggg angctgacct agtgtatttc 540

agttcccgct gt

552

<210> 1366

<211> 332

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (14)..(314)

<223> n=unknown

<400> 1366

ctctttgctt tttctncccc ctccctagtgt nctgcttacg tnangcccac gtgccacana 60  
nttattnccc gaagtnccag tnggctgtgc aggggatggg ctcttccttc nagatggtn 120  
gcancctctg gnaccacgca gcnaccatcc cctttctttc ttcttcggat gcaatttcag 180  
gagcaaagct gatctgaggg gcaaggactt taaatccana gaagtgtaat gtgccatgct 240  
ggantgncca caggaagtat cgagantntc nattgactcc tgtnttcgtg nacatctcgg 300  
cngtgccctcc cgtngttacg gaaaggagcg ct 332

<210> 1367

<211> 321

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (292)..(292)

<223> n=unknown

<400> 1367

cagggtcca gtgccctcca cagaactcca caccagccc agcaagcccc tccataatgg 60

gtgctgagag tggcaggcat ggggctcttg ttacatcaga gccccaggaa acaggcggtc	120
acagactatt ctgagtgggc agaggaggtc cacctatgga cacacgttta gagaagctga	180
ggagttcatc cctgaagaca tccagcccgg gccggggctg ttcctgagga tgcagctggt	240
gccctccata gaagagaggg agacacccat tgactcgaga ggaccggcca gntctccagg	300
agccgcttgg tctctgggat g	321

<210> 1368

<211> 378

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (16)..(17)

<223> n=unknown

<400> 1368

atgacatctg gattannnga agaaaggagc ctgactctta tgatggaata accacaaatc	60
agagaggagt cacaatagca gctcttggtg cagactgtat accgatagtt tttgcagatc	120
cagtcaaaaa agcatgtggg gttgctcacg ctggttggaa aggtactttg ttgggtggtg	180
ctatggctac agtgaatgct atgatagcag aatatggctg cagtttggaa gacattggtg	240
ttgtacttgg accttcagta ggaccttgct gttttactct tccaagggaa tcagcagagg	300
catttcataa tcttcatcct gcatgtgtac aactatttga ttcaccaaat cctgtatcg	360
acatccgtaa agccacaa	378

<210> 1369

<211> 358

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (4)..(356)

<223> n=unknown

<400> 1369

```
tttnacattg catttnanac ccttacttat ctgtttccaa cctgtttttc cagccctaac      60
tcatgcccac acncttctct ctctagaata tggtatncac ttccagtttc atgccctgnt    120
tcatgggtgtt cctctacct gttatggttg ttcttcattt gtcanaaacc tctacatctt    180
tcnagcccat gtnatntgtg atttntcttg taatatatttc tctatccngc ttctgggtaa    240
aattaacctc tattccttat gttctctnct actgcnatta aaattanntt taagtngtag    300
aagngnttat ctcttccact gtatcagact caaagganag aagttgtgtt catttnga      358
```

<210> 1370

<211> 535

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (40)..(40)

<223> n=unknown

<220>

<221> misc\_feature

<222> (152)..(152)

<223> n=unknown

<220>

<221> misc\_feature

<222> (276)..(276)

<223> n=unknown

<400> 1370

ccggtttaca gccgcggaaa aacaactcgg accagatccn ggaggggaat gggggctggg	60
tggccaaaat tcagtccaga ggatcgaagc ggctgcttta acagaagttg gggctgcgta	120
acaacagctc caagcaaagc ttcaggctga tncggaaaga tgaggaagca gaaaagagac	180
taaagacaga cggacaggat ggctggggac aacgacaggg acccagtga aatacgggca	240
ataccgaggg ctgtaaccct aacacgggca aatttngagg ggctaacaatg ggcggaaacc	300
atccgtacca gtcaccacca ctgtctccag ctgtcccaga accggactct tcctgccatc	360
aaaatggcgg cggcgacggc agcgggtgga gcacctacgc tggcgggtgag caggcaaagg	420
aagttgcttc cgagcgcgtc gaaacgatga tgcgcacgcg caaagtaggg cctacgtgga	480
gccgacctgc cattgggctc catacctacc taacatctat cttctcaaga acttc	535

<210> 1371

<211> 289

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (31)..(265)

<223> n=unknown

<400> 1371

gaagagtcag aggtgaatag ctgtctctca ntggtnatnc tgttttcccn tatctacatg	60
ttttcctccn tnnantctct cttggtntgt ncatatcctt cagaggtaaa gaggagcctt	120
tcagagagct ataaaggttt atcaaagtac cagatnatga gatataattg gaggctaata	180
tgtaatccnt gggggtttcca gtctcatcnc acccgnacag ctgcctgtat taatgcttnc	240
tgattaacat atgggtctct tntnnttcta gaaaacacta gatctgaat	289

<210> 1372

<211> 385

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (162) .. (233)

<223> n=unknown

<220>

<221> misc\_feature

<222> (382) .. (382)

<223> n=unknown

<400> 1372

aaataatgac aacagtatgt gatagttgct ttattcatgt ctttgtttga aaaacaaaaa	60
ccagataacc ctaggtctct ctccaaaatt tcttttttta aaaatgtatt ggggaaaaat	120
atacttggct tacaaaatat gcctgtatac ttggtgacat angtacaggt tttgcttggg	180
gcaaatactg atcaagaaat tcaaatgcct tctgggaggt gtgaagtagg ccnatgccac	240
cttaggaaat gattcagcac aagggaagtc ttcagaatta aagatttctt taccagagaa	300
aacatatttg actagtggat tataggtaac atttcccagg tgctgctata aataaaattt	360
aaaataagcc caacttactg gnata	385

<210> 1373

<211> 259

<212> DNA

<213> homo sapiens

<400> 1373

aatggattag aactataaag attcttaact ttgaaagcag aaatataagt tggatagtag	60
ttgcagatct ttaataccat tttcaatttc atttatgagc tgctacatta taaatgagat	120
gctctaaaat aataatcgct tttgttggtg ttgttataga acaatgaaaa ttctgttag	180
gaacacaagt tgctgtttat atttgcttgt tctcttaaag agtatgagaa gaagtaaggt	240
ggagctgttg gaaaagccc	259

<210> 1374

<211> 463  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (14)..(14)  
 <223> n=unknown

<400> 1374  
 gattcttgtg aggnaaacat ggtggtgcct tcaagggatg gaaaattcag tccaattcaa 60  
 gagaaaagcc caaaacaggc cttgtcgtct cacatgtatt cagcatcctt acttcgtctg 120  
 agccagcctg ctgcaggtgg ggtacttacc tgtgaggcag agttgggcgt tgaggcttgc 180  
 agactcacag aactgacgc tgccattgca gaagatccac cagatgctat tgctgggctc 240  
 caagcagaat ggatgcagat gagttcactt gggactgttg atgctccaaa cttcattggt 300  
 gggaaacccat gggatgataa gctgattttc aaacttttat ctgggctttc taaaccagtg 360  
 agttcctatc caaatacttt tgaatggcaa tgtaaaactc cagcccatca agcccaagac 420  
 tgaatttcaa ttgggttcta agctgggtcta tgtccatcac ttc 463

<210> 1375  
 <211> 566  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3)..(3)  
 <223> n=unknown

<220>  
 <221> misc\_feature

<222> (563) .. (563)

<223> n=unknown

<400> 1375

```
gancgcttac attctaagag cagtacaatt agcctattac gtagggccct aatcttggtta      60
gtatagtgtt gttgaaatac tttcttcagc ttttgcctta acaaatccaa agatggaaga      120
tgatgacaat ctggaatatt caacataaca tgaaaaaatt cattccacat atccaaatga      180
ggaagccttc taaaaagacc ttcaggctta cactctcttc cttcattttt cactttcatg      240
taagtgccaa agagcatgca atatactgtt gcagcaaccc caaagtaatc gatctggtag      300
ttccatgggt tgttgctgag catctcaaca cactgaaaac cagatgtttc acactttgct      360
gtgaatatag ttctttttgg aaaaagtttc atatctatac tctgaccag gtcaatcagt      420
gccaagccag cagataaatc atcttcatca tcctgttcca aaaatccgtt tccaagtatg      480
aaattgtctg gtttaatgtc tccatgaatg atttcacagt catgcacttg ctcaatcatg      540
taaagcattc tcatagcaaa agngat                                           566
```

<210> 1376

<211> 451

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (90) .. (90)

<223> n=unknown

<220>

<221> misc\_feature

<222> (234) .. (435)

<223> n=unknown

<400> 1376

```
ctcacatcca tgaagaagg aaatcccta cgtgatcctt ctgccaaaat gtcgaaatca      60
```

gaccctgaca aactggccac cgtccgaatn acagacagcc cagaggagat agtgcagaaa	120
ttccgcaagg ctgtgacaga cttcacctcg gaggtcacct atgacccggc tggccgcgct	180
ggcgtgtcca acatagtggc ggtgcatgcc gcggtgacgg ggctctccgt ggangaagtt	240
gtgcgccgca gcggggcnat gaacactgct cgctacaagc tggccgtgng cagatgctgt	300
gaantganaa gtttgcccca attaaagcgt gaaattgaga aaactgaagc tggacaaagg	360
accaatttng agaagggttt tacaaattgg gatcagcaaa agccaaaaga attagcatta	420
cactgtgtgc caagnaggtg aagaaattgg t	451

<210> 1377

<211> 277

<212> DNA

<213> homo sapiens

<400> 1377

cacaatcctt tcaaagtttc ctttaaaggg gaaaaaacag aggcttgtaa gaaatatgct	60
caaagagggt ctaggactta cagacatccc attccagtat aagatacaaa aggcaaatg	120
tttcctttac ccatgatcca ggctagctcc aagaatccta aaaacgatgt ttttaatttg	180
aatctgggat ggggcgtttt gtggattaac atgtgttctg acacaaggac tactctactt	240
ccttaagaaa catgagcaaa aatgctttgc tcaacaa	277

<210> 1378

<211> 472

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (336)..(437)

<223> n=unknown

<400> 1378

atgaaatcat gtttttttaa caaaagagat aaaatacaat tgaagcaaaa aataacagct	60
agtatataat atatacagtc tgtatttgct tttcacagta ggcttgatga ctaaaagata	120

tgctttatta cacgctatatt tcacctcttg aaagtcaaag gtgatgatta atttcattta 180  
 gcagggaagt ggaataatat cttttgaaat aactaagtcc actaaattat acagtatgct 240  
 attctgggttc taagtacata ttagtccctt ggcaaatctg ttctttcaaa gcataccttc 300  
 cccaaatgag cctacctact tcttaaaaaa catatnacac aatgtggtag tagtaggtgt 360  
 aaggaangta agtttttttca tagtggtatg caaacatatc attganatat tacatagata 420  
 taaagactta ggggatnaaa atagcagcaa ccaaatactt ggatagattt at 472

<210> 1379

<211> 50

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (15)..(46)

<223> n=unknown

<400> 1379

acatagtttt tgtananatt aagcatctcc agttnccntc gcagangcct 50

<210> 1380

<211> 270

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (25)..(214)

<223> n=unknown

<400> 1380

gcgcccagga cggagactat caaangccac acagcgcaca gcctgcggac angggctacn 60

accggcccan agctgtcagc gcnctcncca ccganagcgg acaccctgac tntcacaage 120  
 ccccaacgca tcccgggaacn ngtgacagct attctgcccc cagagactgc ctcacacccc 180  
 tcaaccagac ggccatgact gcctttttgt gaanaccaat gtgaaagaag cctgctgtgg 240  
 tactgagcgt cgggctgtca caaggcactg 270

<210> 1381

<211> 510

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (90)..(90)

<223> n=unknown

<400> 1381  
 accatgtaaa ctctacaaag taaaccactt cccctccaca ctaaccagca gctagtctgc 60  
 catgaccttc cagcaccccc attattttan catatataca ttccacagga tgtaataacc 120  
 acacaaatag gggtataata cattcttcag ggaaaaaaat ttttgggtcca tttttctat 180  
 taaaaaaaca cacacacttc cctctttggc aaaagagggt aaatctccca tagttaactc 240  
 acaaaagaaa ctcaaataaa aactactgag catgagggtac agctgatgtc tggactgttc 300  
 tggaattaca gacgcctcct tgaggggaaa atcattttct ataaaatgag atcagtttcc 360  
 aacagtttca tgtcagtaga aaagctcgat ttagacttgg tcagaatcac ttttgcata 420  
 acatgttcca aataactttg tttttcagag gacagcggaa gtccccgaaa atgtgtact 480  
 tctgaaggaa aggtcatgaa aattgtggcg 510

<210> 1382

<211> 304

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (275)..(291)

<223> n=unknown

<400> 1382

```
atgatgtttg ttttgcaaca ttgagatttc ctaccattac atgtcattaa aggctggttt      60
tatagaaaag gcaatgtctc ttgataaaca gaaattaagt ggaaagcatt atcgtaaaaa      120
gatacatgat agttaaatag gaaaaattga atgacttcag ttttgaattt gttcgttaac      180
cctgaaagaa ttgttggtgt tattttttaga aatacaaaac ccaaactgac tttactgagt      240
cttagtggaa aaacactttg tgtgactgca ggatnggctc cctctctgat ncaacagttc      300
tagt                                          304
```

<210> 1383

<211> 513

<212> DNA

<213> homo sapiens

<400> 1383

```
tattccatca aattatccag gaaaatccag gtggcagaaa tatataatat gtccatttca      60
tcaagaggtc tcaaataaat tttaaaaggc cagaaaatga tatatataact atgccattta      120
aatcacttct atcttctgta ctttaagaact caagtataga aataaaactgt gggctgaagt      180
aacattgtaa cctgctccca acatgactgc ataggtgtct aagggttaagt gtgaagatta      240
ctgtgaggtc tcaagttact tgactaatca atcccatttg aatttcaatc caagcagcat      300
attttacaca cacctgaagg aaatatcttc agtgtgttca tgtgtgtgtc tatgtgcatg      360
tatgtgtagg ggatagggtg aattagggaa gggctgaccg aacaacattg ataagtacat      420
gctagaaagt ctgctgttgt tggtaacaca gaaacatata cagtcttcat attcaaagtc      480
ttcacgggga tgtcttctgt aatttcctgc gtt                                          513
```

<210> 1384

<211> 558

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (48) .. (48)

<223> n=unknown

<400> 1384

```
aaatgactta aagccaccag ctaattgggc ttaatcattt ggactcantt gactcttccc      60
ctacccttac ccatgcctaa accaaagaaa ggatcatccc acatttacct agcacaaaga     120
aatctactct tctgctcttt ctaggactgc taaaggccat gggaactgga cacctggatg     180
ctgcagagga agggcaaagc tcaacatcaa cttggacagt ttgccaacct gtttgtgaga     240
ttgctgattt gtccttaag caagagattc actgccgcta agcatggctc agaccaactc     300
gttcttcatt ctgatctcct cctgatggtt cctgtctctg agccaaggcc aggagtccca     360
gacagagctg cctaattccc gaatcagctg cccagaaggc accaatgcct atcgctccta     420
tgctactact ttaatgaaga ccctgagacc tgggttgatg cagatctcta ttgccagaac     480
atgaattcag gcaacctggt gtctgtgctc acccaggcgg aagggtgctt cgtgggtcac     540
tgattaagga gagtagca                                         558
```

<210> 1385

<211> 274

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45) .. (54)

<223> n=unknown

<220>

<221> misc\_feature

<222> (209) .. (271)

<223> n=unknown



<400> 1385  
 agtctgtaac tttctttttg cagcttaaac aacagaattt gctgntctcc ctncctttc 60  
 ctgcaattta attccttaca gatttttgcca tgggggtgcgg acttagaaag ctagaagacc 120  
 ctgatgatag cagccctgga aaaatatttt ctaccctgaa gagaccgcaa gtggaacaaa 180  
 agacagaatt tgcttacgaa tatgtattnc tggattttac tctacaaggt actttttgct 240  
 tctattttgt ttgttaaag attnagagaa naga 274

<210> 1386

<211> 549

<212> DNA

<213> homo sapiens.

<220>

<221> misc\_feature

<222> (284) .. (293)

<223> n=unknown

<220>

<221> misc\_feature

<222> (539) .. (539)

<223> n=unknown

<400> 1386  
 gatgtattaa aaaattaacg gacaatcaga cctcaaccat gatcagagcg actgctaggt 60  
 cggcgcccga tcggcaagaa gagattagca aattgatgcg aagtgcaagt ttcaacacag 120  
 atccatacgt ccgtgaattt ggaatcatgg tcaaagatga gatgacagac gtgactgggc 180  
 ggggtgctgca gccgcctcc atcctctacg ggggcaggaa taaagctatt gcgaccctg 240  
 tccagggcgt ctgggacatg cggaacaagc agttccacac gggnnntnnan ccnagggtgtg 300  
 ggccattgcg tgcttcgccc ccagcgcca gtgcacggaa gtccatctga agtccttcac 360  
 agagcagctc agaaagatct cgagagacgc cggcatgccc atccagggcc agccgtgctt 420  
 tgcaaatacg cgcagggggc ggacagcgtg gagcccatgt tccggcacct gaagaacacg 480

tatgcggggc tgcagctggt ggtgggtcatc tgcccgtcaa gacgcccgtag tacgccgang 540  
tcaagcgcg 549

<210> 1387

<211> 450

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (418)..(419)

<223> n=unknown

<400> 1387

cttggccaaa ctttcacctt agcttctggt aagtcttggg ccaagctaag cagcatctat 60  
caatcatccc ttcagctcct gattgggtcct gggccaaagg cctggggccaa gctgagccac 120  
acgtttttca agacagcctg tgaactaggc acatttcctt cccttcccag tccttaaaaa 180  
ccctggaccc agcctcgtag aggcaccact ttcagacacc tatctctgct ggcaaagagc 240  
tttcttctct tgcttcttaa actttcactc caacctcacc tttgtgttta cactccttaa 300  
tctccttaga ggtagaacaa agaactctgg atgttatctc agactacgag agactgttac 360  
atcttggtgc atgctgagac tatgacactt ggtttctttg agtttgacta aatatttnt 420  
atgagtgtaa ttatacagct ttccctttttg 450

<210> 1388

<211> 228

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (118)..(189)

<223> n=unknown

<400> 1388  
cttttgaata ttctcaccac aaaaataaca aatgcatgag gcaacaagta tagaagtact 60  
ctgattttta ttgttatata acatatatat ataattgttt ccccaaaata tgcacatnac 120  
atgtgtcaat tttaanaaat gaanccagac tataatgtaa acctatagct gnaaatcct 180  
agcacatanc agaaggggtga agcttcatga caactgggtcg tgggcata 228

<210> 1389

<211> 375

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (201)..(201)

<223> n=unknown

<220>

<221> misc\_feature

<222> (363)..(363)

<223> n=unknown

<400> 1389  
cttccttttag tccccttgtg ttctcgccct acctctgtat ttgacttcca ctttccctgat 60  
ttaatcctgt ccccctctcc ttggttccgc cctctgcagc tctaacacca tcccttcct 120  
ccccgcagg ccattccagt ttatcaccc acctggattg ggcccaggac agcagctgct 180  
ttgtcaccaa ctccggggac natgagattc tgtactggga cccggctacc tgtaagcaga 240  
tcaccagtgc ggatgctgtg aggaacatgg aatgggccac agctacttgt gtcctagggt 300  
ttggggtgtt tgggatctgg tctgaagggg cggacggcac tgatatcaac gctgtggccc 360  
gcncatgat gggaa 375

<210> 1390

<211> 411  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (87)..(135)  
<223> n=unknown

<220>  
<221> misc\_feature  
<222> (341)..(391)  
<223> n=unknown

<400> 1390  
ggacatgtca tttctctcag ctcgtttctg tcccctaaag tgagaatatt gtctgggaag 60  
attacattag acgatgtata tgcgaanaca cttgatagct ggtattgtca tgattctgnt 120  
tagttcacta ctgcnacttt cccgtgtggc taggctttgc ctatttccag tgggcgagct 180  
agctagatcc tcctccctta aataagccag tgtttttaag acagaatact acttgcatag 240  
tggacaataa tatcttaaag aactgagcag gatgaaaaga atttgataga aagcagggtt 300  
gaggagcaca ttggagggttg gcagggtttcg aggctgctga naggacntgg gccgatctgg 360  
gctgggggttg gacgtgaacc ctggcaccca ngcagggtgga tcccagctgg g 411

<210> 1391  
<211> 480  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (428)..(475)  
<223> n=unknown

<400> 1391  
aattgatctt agtgataatt ttacagaggc agacattgca cataggtatg actgcaaaaa 60  
tgggtggcta actctgggaa gatacttggtg ttaaacttta tatgacattt aataaccctt 120  
catcataagg caatgttttt tacaaaaaga ttgaaaaaat catgtaagtc atttactctg 180  
caaaaatggc acattaggtg gggttccaaa atccataatg aaacaatgtg ttttgcaact 240  
aagaaacatt cattatgata tatggaaaac actgtctgtc tacttgtcct ttacgaaaaa 300  
atgtaaaact ctgaggatca taaaatttaa ctactaaaaa taatcttcgt gtttaagtga 360  
tacttattta agactttaca ctgttctgtt taaccatggg ctctgtctg attttagcca 420  
taattgcnaa gtattttctaa ctacaacaat ttaattttag acacaccctg gaggnagttg 480

<210> 1392

<211> 558

<212> DNA

<213> homo sapiens

<400> 1392  
gggtataaagt cctgttccca agtccaaacc actttttaac ttaaattcttg agtttttctg 60  
aattactcaa tttgaagtaa ttctctttat atctgaaaaa tggttttatt gaaacgtttg 120  
agattaaaaa atatgcattg caagaagcat atgacaaaca ttctgagagt acaaaattag 180  
ttgtaaaaaa taacataatt taccagtaaa cccactcata tagaaatgtg caaagccttt 240  
tgatataaaa agttttgtac accaagcacc tatttttata acttagcttc ccatggagag 300  
ataatggctt gcgtgcattt tatgtatcca taacatacat acaaggctcg gtcttttcaa 360  
tgggataaca gttcacaact ctctgatttg aattgtaatg aatctgggtga caaggatttt 420  
tctctaattg attccaaagt tagccagaac ttttaatgtc aagatgaaaa aggggtgtaag 480  
gtgttatatt ttcttcaatt cctttaccac aggaggctaa ctccacaatt tccctcatgt 540  
ttctcattca gaaaaaaa 558

<210> 1393

<211> 503

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (472)..(494)

<223> n=unknown

<400> 1393

```
gatacttttag cacaggatgc aaatgctgca cagcaggaac tgaagttatt gcttcacgtc      60
tctactctgt tgttttcaca aggcaaaatg tatggttatg tggatacctt acttactatg      120
ttagccatgc ttttaaaggt agcaatgaat cgagcccaag tttgtttgat atccagttcc      180
aagtctggag agaggcatct ttatcttatt aaagtatcga gagacaaaat atcagacagc      240
aatgaccaag agtcagcaaa ttgtgatgca aaagcaatat ttgctgtgct cacaagcgtc      300
ttgacaaagg atgactgggtg gaatcttctg ttgaaggcca tatactcctt atgtgaccta      360
tcccgatttc aagaggctga gttgcttgta gattcctcat tggaatatta ctccatttta      420
tgatgacagg caaaaacgca aagaactaga atactttggt ctgtctgctg cnattctgga      480
caanaatttc aganaggcta caa                                              503
```

<210> 1394

<211> 368

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (314)..(345)

<223> n=unknown

<400> 1394

```
gatcattatc acatattaaa aataaataca ctgtttgtta ggtaattctg aaattgtcat      60
ttctattttg gagttacaaa taataagccc tgagacagaa gacactggtc ctccacacagc      120
agctgccatt gctctgttct cagttgcggt gctttatata gaacaatagg tatacaaaag      180
cgtttgagcc attccggtat tcccactgct ctgatagatg agagacaagt tgtaggcaat      240
```

atctcttcgt aagtctaact ggtcaagttc tataccctct accacaagtg gagggagctc	300
cagggccttc tganaatagt ggattgcaag atgaatcagc cccnaacct gatgaaggcc	360
cacgggcc	368

<210> 1395

<211> 449

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (100)..(139)

<223> n=unknown

<220>

<221> misc\_feature

<222> (244)..(244)

<223> n=unknown

<400> 1395

gaagggccgg cggtcttggc tgcccggcgg ttgagagcat ggcctctcca ggggcaggta	60
gggcgcctcc ggagttaccg gagcggaact gcgggtaccn gaagtcgagt actgggatca	120
gcgctaccaa ggcgcaacgt tctgccccct acgattggtt cggggacttc tcttccttcc	180
gtgccctcct agagccggag ctgcggcccg aggaccgtat ccttgtgcta ggttgcgga	240
acantgcct gagctacgag ctgttcctcg gaggttccc taatgtgacc agtgtggact	300
actcatcagt cgtggtggct gccatgcagg ctgccatgc ccatgtgccg cagctgcgct	360
gggagaccat ggatgtgcgg aactggactt cccagtgct tcttttgatg tgggtgctcga	420
gaagggcacg ctggatgccc tgtggctgg	449

<210> 1396

<211> 496

<212> DNA

<213> homo sapiens

<400> 1396

```
tcgctccac cctctatctt aggcattgagg cccctgggat gtaagcacct tggacccaac      60
cccaagtcct aagtcaggaa ttccaactac ctgaggagcc cagggcagaa tggcaggaag      120
ggcggaggac catgctctgg cctcagagct gaatggcact aaggaagtcc tcatgatctg      180
agtcctgaag gaagcaaggt gaggtgggag gtctgggggg tgagaggatt tgggccccca      240
gagccagctg ggccacactg agcttcccgc ccttgtgcat gaggtagaga tggaagtgga      300
aaccgctgcc ataggtagca tgcctcaggg accagccata ataggcttgg gcatagtgtc      360
tggtccgaaa gtgggggggca gcagaagtca ttgagataaa ccggcctcca gggacaagca      420
cgcggtcac ctactcaac acctggtcca cagtgtggac accttcagag gacacggtcc      480
agggatctcg tttccc                                496
```

<210> 1397

<211> 368

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (46)..(46)

<223> n=unknown

<400> 1397

```
ctgtcattac acacaccctg ggtcttcata tgtggccgcc aggtangagc atcacagtca      60
agctacggga gaaaacagtt tccaggaaac tggaaatgaa cggcccagat gctttccagg      120
ggctcatctg tgggaagtat aatggaatgt gcttacaagg gccagcagga gtgcctggtc      180
gagacgggag ccctggggcc aatggcattc cgggtacacc tgggatccca ggctcgggatg      240
gattcaaagg agaaaagggg gaatgtctga gggaaagctt tgaggagtcc tggacacca      300
actacaagca gtgttcattg agttcattga attatggcat agatcttggg aaaattgcgg      360
agtgatca
```



<210> 1398  
 <211> 531  
 <212> DNA  
 <213> homo sapiens

<400> 1398  
 agatataaaa aaaattctta acattttacaa attgtacaaa gattggtagc ttttatattt 60  
 ttttaaaaaat gctataactaa gagaaaaaac aaaagaccac aacaatattc caaattatag 120  
 gttgagagaa tgtgactatg aagaaagtat tctaaccaac taaaaaaaat attgaaacca 180  
 cttttgattg aagcaaaatg aataatgcta gatttataaaa cagtgtgaaa tcacactttg 240  
 gtctgtaaac atatttagct ttgcttttca ttcagatgta tacataaaact tatttaaaat 300  
 gtcattttaag tgaaccattc caaggcataa taaaaaaaga ggtagcaaat gaaaattaaa 360  
 gcatttattt tggtagttct tcaataatga tgcgagaaac tgaattccat ccagtagaag 420  
 catctccttt tgggtaatct gaacaagtgc caaccagat agcaacatcc actaatccag 480  
 caccaattcc ttcacaaagt ccttccacag aagaagtgcg atgaatatta a 531

<210> 1399  
 <211> 196  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (89)..(89)  
 <223> n=unknown

<400> 1399  
 ctgggatgga ggcacccagg tggcagaagg ggagaagaac tgtgggtgga cgtgcaggga 60  
 gagcagctgc agctggcact gcagtgggng ctggcccagg agacactggc tgccgttcac 120  
 cattgcagca aagctttatc aagcgcacac tgggcagcca tggggcgggg accacggcca 180  
 gtaacgagca agaagg 196

<210> 1400

<211> 329

<212> DNA

<213> homo sapiens

<400> 1400

```
cttggctgtc gctgaggatg tgcagggcac acagcagtct ctctagtacc atgtgtccca      60
gtccagagag gcaggaggat ggagctcgga aggatttcag ctccaggctg gctgctggac      120
cgacttttca acatttttta aaaagtgcct cagctcctca ggagaagctg ttttcagaag      180
tggaagaccc acctccctat ctcatgatgg atgaacttct tggaaggcag agaaaagtct      240
acctcgagac ctatggctgc cagatgaatg tgaatgacac agagatagcc tgggtccatct      300
tacagaagag tggctacctg cggaccagt                                     329
```

<210> 1401

<211> 524

<212> DNA

<213> homo sapiens

<400> 1401

```
tagcagcttt aaagagacac gttttccact gacataaagt tgcttcgccc cttgcagctt      60
atctccacct tcatgacctg tttcctcagt ggagggcaat gtctcccctt cctgttgggg      120
aggattgccc aagtcagctc tgaggccatc ctctcaggtc agcaatatgc agaagagtcc      180
ctcagagtgg tcttcagag aacatgtccc ctaagtgtct gagaactggc tgaggtgatc      240
ttcaccagca catagtcccc aggetgggct ctgaccctga gcccagggtt attgacatcc      300
tccatctctg catcagggaa gatcacctta aggtttccat cattcctgcc acacagggtca      360
gtggcagagc gtttactgag cccttccact agcaccaact gggtacagcc cacagaggtc      420
tgattggctt ttgttgcttc ttctcggaag atagtgatga gttcctccaa acgcttaatt      480
ttacctcttc cgggacatca tccttcagcc tatgatatgc cgtg                                     524
```

<210> 1402

<211> 337

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (315)..(315)

<223> n=unknown

<400> 1402  
gtccctgagt aggtgaggag gtgggtagga gcttgcttat agaaaagtgg aatcgagtag 60  
tccttgctgg tggagccgct gccgccaggg aactcagggc cggctcctgt tccttcaaga 120  
gtgctggagg ccaaacttga aatacaagtt taatgttcct cgtcgggcaa aagataagga 180  
tccgatctcc cccggcccg tgtgcagcag gagcgaccaa ccccgaccgc ggttaaaact 240  
cccagggact cttegtgtgt gccacctctt gttctctccc cegttccac tcgggggtctc 300  
cctcagggcc gggangcaca gcggtccttg cttgctg 337

<210> 1403

<211> 103

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2)..(94)

<223> n=unknown

<400> 1403  
tnacacctga ngtagattca ntctcaaca tcattgatag gttcttgga actgnagctt 60  
taagtanaac aacatnttan anaaccaact gctnttgctc atc 103

<210> 1404

<211> 530

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (482)..(482)

<223> n=unknown

<400> 1404

```
gaatgggact tcggccttgt caggagttgt cttcatctgc agcacgtttc ttcctcctgc      60
agtagatctt agctacccca gatatctcta tggagagaag tttgtggaaa atgctttgct      120
tcgtggcaga gtctgatgct gtaggaaaac cttcgggcat gtgacagcag tgtgggtccac      180
tcctgtttct gccctggcgc tcagagtcac gtgtaagtag gaaacctgag caagtcttcc      240
gtggaggacc ctgagctgcc gtctttggga tccttcctgt gtcctccaccg tctttcattt      300
atttgctttc ctgggcctct atctgggccc taccttgagc ttctccagtt ttattcaagc      360
caccagagta agaatttggg ttagatgtc acaactacct tctactcaat tcaccaattc      420
atttactgct atggcacgct tcaggaataa ctctagaaac ctctaaatcg aaatattata      480
anatcttgag cacttagtcc tgctggtttt agttagaaag gcatccagga      530
```

<210> 1405

<211> 453

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (250)..(420)

<223> n=unknown

<400> 1405

```
cccacctgtc ctgcagcact ggatgctttg tgagttgggg attgttgcggt cccatatctg      60
gaccagaag ggacttcctt gtcgggtgg ctctcggttt ctctgctttc ctccggagaa      120
ataacagcgt cttccgcgcc gcgcattggag cctcccggcc gccgcgagtg tccctttcct      180
```

tcttggeget ttctgggtt gcttctggcg gccatggtgt tgctgctgta ctcttctcc	240
gatgcctgtn aggagccacc aacatttgaa gctatggagc tcattggtaa accaaaaccc	300
tactatggag attggtgaac gagtagntta taagtgtaaa aaaggatact ttctatataa	360
cctcctcttg ccaccatta ctatttgtgg atcggaattc ataacatggg ctacctggtg	420
tcagatgaaa ggctgttat agagaaaact gtc	453

<210> 1406

<211> 506

<212> DNA

<213> homo sapiens

<400> 1406

catttttttaa aaaatgagca ataaagaacc tctatcagtg agacttctca ttttatagca	60
aatacatttt tgcagcttaa attttcttga attcatatac gcttctgtca tttaaacaaa	120
cttcagaga aaactggtct ctatatattt aagtaacaaa ttgacaaaa tacatatatta	180
tacatatata gatctctaata ataaatatta aatttgaaaa aatcaaagt gaagcagaaa	240
ctgctataca agtatattgt ataatatatta ttttatacat taaagtattt ggttgaatat	300
acttcaatta ggtttctaaa aaacaccatt atctgcttct tagtaattgc gacattcttg	360
aaaagcatgt gaaacgggta taaacttcaa ctctgtgctt aattcagaat tcctgtttgt	420
tctcctcaaa cttttatctt cctaaagcat cttgccagag actacaaagg gaagggacat	480
ttacagagca ctataaacat gtcctt	506

<210> 1407

<211> 336

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (180)..(180)

<223> n=unknown

<220>

<221> misc\_feature

<222> (325)..(325)

<223> n=unknown

<400> 1407

```
agcaatacca gaagtaaagg gaaatatcag acaatatattt attatttttt catagatggt      60
ctgccacaca aagaacttgg ggtgtaagga taaggcaaaa gtcaccaatcc cattttttcag    120
ttctcctagg atgcacccct cagggagcct ggccagagtt ccgaggcccg tgagcggtcan     180
tggtgcttta ttttccatca aagccctctg agaagtgaga cctcagcaat tccgggagcc      240
acatagagac agacttggca agggaccccc tggttctgag ccagtagctg ccatctggaa      300
attcctcttt tagctctcct tagangtgat gtgaat                                336
```

<210> 1408

<211> 340

<212> DNA

<213> homo sapiens

<400> 1408

```
gacttttcta gctgtatgac tggtacttaa actatctaaa atagagcatt ttggtatctt      60
tcacttgacc atccatatcc aatgttctca tttaaacatt acccagcatc attgtttata     120
atcagaaact ctggctcttc tgtctggtgg cacttagagt cttttgtgcc ataatgcagc     180
agtatggagg gaggatttta tggagaaatg gggatagtct tcatgaccac aaataaataa     240
aggaaaacta agctgcactg tgggttttga aaaggttatt atacttctta acaattcttt     300
ttttcagggc tcgagccgaa ttccgagctt ggatcctcta                            340
```

<210> 1409

<211> 421

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (329)..(364)

<223> n=unknown

<400> 1409

```
cttagccaaa atgattaagt gttccttaaa attaagttga aaaaggaaat attctttctc      60
ataaaactgt gactaggcat acactgtagt ttttgaaaat tatgcaaaag cagctaaatg      120
taacttattc caagtgcatt tttcttattt atatctttat gtagcactac tacagaaatt      180
ctgcaagttt ctgtttcaaa gcacaataac tagtaatacc aaagactatt tcaaaatgtc      240
cagatgtagg ggaagagatg tttacagtat gatgaaaata attttccaag taaagtgaag      300
tttgtgtgtt ttgtacactt agggatatnt ntntatagct acattcacac actcacaatt      360
taanatattt cccctagttt tttgggggga taggaagaaa gatttggtac tgtatttttt      420
t                                                                                   421
```

<210> 1410

<211> 437

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (165)..(432)

<223> n=unknown

<400> 1410

```
agataaaaaa ataaggcttt ttgatgaaaa gaatccatta caaagtcaaa aatccattac      60
aattataatt gaatcagtaa caaaatttag ctttaaata gaatcagtag ctgcatttga      120
aatttaatat cacaacatt caagattagt gaattttggt aaganaaaaa tactagaaga      180
aaggaaaaag gacacctttt caacagatag taattnataa aaantttttt aaaagtgcctn      240
tgggaaaaaca cacagtatca tnacttaaga aaagtcattn aaggaagant taagtgcctc      300
aagtggagtg nattacagac taaaaaangt tttaaaattt gccaaagaaan ttaagtgtta      360
aaannactcn tcncantatt cagnttcatt ttttaaggaaa canttgacag anaagtaaac      420
```

caaacgcaan anaaagt

437

<210> 1411

<211> 470

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (18)..(61)

<223> n=unknown

<220>

<221> misc\_feature

<222> (375)..(419)

<223> n=unknown

<400> 1411

gctgaggcgg tgtatgtncg gcaataacat gtcaaccccg ctgcncgcna tegtgcccg 60

ngcccgaag gccaccgctg cggtagtttt cctgcatgga ttgggagata ctgggcacgg 120

atgggcagaa gcctttgcag gcctgttagg cctgttacat taaatatgaa cgtggctatg 180

ccttcattgg ttgatattat tgggctttca ccagattcac aggaggatga atctgggatt 240

aaacaggcag cagaaaatat aaaagctttg attgatcaag aagtgaagaa tggcattcct 300

tctaacagaa ttattttggg agggttttct caggaggagg ctttatcttt atatactgcc 360

cttaccacac agcanaaact ngcagggtgc actgcactca gttgctggct tccanttcng 420

gcttcctttc cacagggtcc tatcggtggt gctaataagag atatttctat 470

<210> 1412

<211> 136

<212> DNA

<213> homo sapiens



<220>

<221> misc\_feature

<222> (11)..(127)

<223> n=unknown

<400> 1412

gagaataaaa ncctgggtccc aaaataaaaag ggccattaat tgaaganaac gattntactt 60

tttttttnaca annaacagta ttatccctan tantangaat aannnaatac cacctnattc 120

ttattangta ttataa 136

<210> 1413

<211> 499

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (33)..(428)

<223> n=unknown

<400> 1413

ggctctggtc ttcgatgcac aggagtggcc gtnatggaac gcagcagcag cgtgcagggt 60

caaagacagc cggcccccca tgtcagtggt ctaggatggc cagtnaaggc accaacatcc 120

caagtcctgt ggtgcgccan attnacaagc agttttctgat ttgcagtata tgccctggaac 180

ggtacaagaa tcccaagggt ctccccctgtc tgcacacttt ctgcgagang tgccctgcaga 240

actacattcc tgcccacagt ttaaccctct cctgcccagt gtgccgccag acctccatcc 300

tgcccagaaa angggtggcc gcgctccaga acaatttctt catcaciaaac tgatggacgt 360

gctgcagcga actccaggca gcaacgctna ggagtcttcc atcctggaga cagtcactgc 420

tgtngctncg ggaaagccct ctctcttgcc caaaccacga tgggaatgta agttgctggg 480

gatggcagat actggccccg 499

<210> 1414

<211> 586

<212> DNA

<213> homo sapiens

<400> 1414

```
agttctgttt caatctgtaa tctctgatgt acccaaagcc tccccaaggc cacagtagtc      60
atgctcccg gtagtatctg ccatcccagc cacttacatt cccatcgtgg tttgggcaag      120
agagaggctt tcccgcagcc acagcagtga ctgtctccag gatggaagac tcctcagcgt      180
tgctgcctgg agttcgctgc agcacgtcca tcaggtttgt gatgaagaaa ttgttctgga      240
gcgcggccac ccctttctcg ggcaggatgg aggtctggcg gcacactggg caggagaggg      300
ttaaactgtg ggcaggaatg tagttctgca ggcacctctc gcagaaagtg tgcagacagg      360
ggagaacctt gggattcttg taccgttcca ggcatatact gcaaatacaga aactgcttgt      420
caatctggcg caccacagga cttgggatgt tggcgccttc actggccatc ctagaccact      480
gacatggggg gccggctgtc tttgaccctg cacgctgctg ctgcgttcca taacggccac      540
tcctgtgcat cgaagaccag agccctcgag ccgaattccg agttac                        586
```

<210> 1415

<211> 374

<212> DNA

<213> homo sapiens

<400> 1415

```
cggagatctt caaaaaggag caccgcgacc gcttcacga gtgctacatt gctgagcaga      60
acatgcactt ttgcagcctt cttcacgcgg gcctttgacc agattcgcac ggccgccatc      120
tccgagagca acatcaacct ctgcggctcc cactgcggcg tttccatcgg ggaagacggg      180
ccctcccaga tggccctaga agatctggct atgtttcggc cagtccccac atcaactgtc      240
ttttacccaa gtgatggcgt tgctacagag aaggcagtgg aatagccgcc aatacaaagg      300
gtatctgctt catccggacc agccgcccag aaaatgccat catctataac aacaatgagg      360
attccaggtc ggac                                                                374
```

<210> 1416

<211> 441

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (37)..(37)

<223> n=unknown

<400> 1416

```
tgagcacctt tcccagaatc tcaggaatgt atagacnccc gcccacact tcatacccgc      60
cctaggcctt ggtgatgagg cccctcacag cttgtgcaat ggcacccctg tcgataccaa    120
acatcttcag cagctcagcc ggcttcccac ttcttggtac ccggttaact gccagggtggg    180
tgacagtgat gccaggctcg cccactactg cactggacac agcctcacca atgccacctt    240
cataataatg gtccctccacg gtgaggatcc tgcccttggt ggcacgagcg ctgtcgagaa    300
tgagttttct gtccaggggc ttgatggtga aggggtccag cagcggatg ttgatctttt    360
ctttcttcag cagttcggca gcggccaagg cctcgtgcag ggtcacccca gcccggataa    420
cggtcacctg gtcaccttg c                                     441
```

<210> 1417

<211> 406

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (232)..(250)

<223> n=unknown

<400> 1417

```
ggaaagccca gccatatccc cagtttgact tgaccagtag taaaactagc actacagttt      60
gatccctttt tacctccttg aatatcttca attcatcaag gatctgtaaa gaaggagagg    120
tacaagatat atgaaaccca aatctcaaaa caatgattta gtgaatttcc catgaacttt    180
```

aaacagtgat tgcttcaaaa tttccaagag ccatactctc cctccagctg cnnnnnnnnnn	240
nnnnnnnnnn aaatgcacac tattttaacc taaaatggtg ccctgtggct gccattctct	300
aactcttgca tacttaaaaca tttattcttg gtcaaattaa aacctcatgc atttccaaag	360
atataaatgc cttgcctgga gaagttagat cttgcaagtc tcagga	406

<210> 1418

<211> 265

<212> DNA

<213> homo sapiens

<400> 1418	
tcagacaggg tggttgacca aaagtgatct tatattgttt acaaaaggca aacccttcac	60
aagaaacaag aggtattttg agttcacaat cagtccagtg aagcaatatt atgctaagaa	120
ggatgttctt ctgtttgcta ctcaacattg aagatgtgaa gaatgagaac atttggtctg	180
aaacggcacc taatgaaaca aacaccact ggtgggacat aaacagctat aggcataaga	240
caaaccatct cggccctcct gagac	265

<210> 1419

<211> 407

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (67)..(105)

<223> n=unknown

<400> 1419	
gtttctgttt gggatgaaca aattctggaa atggatagcg atgatggttg ctcaacattt	60
tgaatgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnggtaa attttgttat	120
gtatatttta tcataattta aaaaatatat ctagaatggg caagaaggat tctcctcatt	180
cctctcttga cttgagaatg atcagtcaat aggccctgaa gtctgaattt gtgaaaattt	240
ccttggtgga caaacttggt tgattactct atttagtgta tcccaaagtt attaccacat	300

aatcttttaa acaataaaac aaataccct tagaaagtct tctgcaaacc catttctgaa 360  
aatggtacat tatagggtgg gtatagatgc atagatatgg gattatg 407

<210> 1420

<211> 549

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (268) .. (295)

<223> n=unknown

<400> 1420

aaaatataca taacataaaa ccttttaacc atttattttt aaacatttta agcttcttat 60  
tgaaatataa caatatagga aacacataca cagtacaact tgtaagtaca ctgctcaatc 120  
agatttcac tcgatcaaga acagaatatt ccaatattcc ggaaaagaaa agaaacatgt 180  
taaaaagaaa agatttttat ttaaaaaacc tagacatagt aattaaaatg ggggttaaga 240  
gaggtaatct ctctatccct ttgtgtgnnn nnnnnnnnnn nnnnnnnnnn nnnnnatccc 300  
atatctatgc atctataccc accctataat gtaccatttt cagaaatggg tttgcagaag 360  
actttctaag gggattttgt tttattgttt aaaagattat gtggtataaa ctttgggata 420  
cactaaatag agtaatcaaa caagtttgtc acccaaggaa attttcacaa attcagactt 480  
caggggccta ttgactgatc attctcaagt caagagagga atgaggagaa tccttcttgc 540  
ccatttcta 549

<210> 1421

<211> 447

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (92)..(92)

<223> n=unknown

<220>

<221> misc\_feature

<222> (275)..(435)

<223> n=unknown

<400> 1421

```
ctgtccctga gctctacaac agaattattct ggaacagttt cctcattagc cctgtgaccc 60
cagcacacgc agggacctac agatgtcgag gntttcaccc gcactcccc actgagtgg 120
cggcaccag caacccctg gtgatcatgg tcacaggtct atatgagaaa ccttcgctta 180
cagcccggct gggccccacg gttcgcgcag gagagaacgt gaccttgccc tgcagctccc 240
agagctcctt tgacatctac catctatcca gggangggga agcccatgaa cttaggctcc 300
ctgcagtgcc ccagcatcaa tgganacatt ccagggccga ttccctctgg gtccctgcan 360
ccacggagag acctacagat gcttcgggtct ttcccatgga tctccctacg agtgggtcaaa 420
acctgagtga nccantgcct gtttctg 447
```

<210> 1422

<211> 499

<212> DNA

<213> homo sapiens

<400> 1422

```
gtgtgagaat aacacaagct gtcactgcaa atcagtagct aaaaatgctt tgtctggtta 60
atgtgaacat ttaatatctg gctcaattaa aaattaaccg atgaaagtac atgtcattgg 120
aatttgaaaa taccttttgt acggaatact taaagggcat caccatgac taaaccagtg 180
cttttaaaat atggagaata tggggaaatt taatatgagt tgggatactt gactcttttt 240
taaaacctct ctacctgttt ggcacaacag ggtattgata aagagtgggc tcattgttat 300
ggcaaaggat tcacttgcat ctctgtgttt ttaagtgggt aattgttttt ttgcactcag 360
tcacatgatt aaagcagaca gaccaagaga tcagttattc atttatacca tacttttaaa 420
```

aaaatattga gccaggccct ggggaagtgg gaagtgagag ccagagcggc gtggctgata 480  
gtctagggca gtgctatcc 499

<210> 1423

<211> 428

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (266)..(368)

<223> n=unknown

<400> 1423  
aaaaaataca acaatcttgc gcttggttga tcagtgttct agaaatgtca ataggtcaaa 60  
ttagttaatg ctgttattta gttctatggc tttactgatt tttttccac ttgttctatc 120  
aattactaag acagacggat taagtcttca actatagtag atttttctgt ttctccttgc 180  
agttctttca gttttcatgt attttgaggg tctttttaa aatgcataca catttaagat 240  
ttttatgcc tctttatgaa ttaatnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnag tgtttttatg acacatattt ttatatgatt ttacttttta tctatggcct 420  
ttatgatt 428

<210> 1424

<211> 365

<212> DNA

<213> homo sapiens

<400> 1424  
tgtggccagt cttaaagcta gtttttgcta tgtggaacat gctgctctaa ttcagattta 60  
aagagtttct tctgttaat tcgaagctca ctgtgcctct tgtttccgag ggaagaagga 120  
ctgattaagt catctaaatg gatgcaatac tgaattacag gtcagaagat actgaagatt 180  
actacacatt actgggatgt gatgaactat ctctgggtga acaaactctg gcagaattta 240

aagtcagagc tctggaatgt caccagaca agcatcctga aaaccccaaa gctgtggaga	300
cttttcagaa actgcagaag gcaaaggaga ttctgacca atgaagagag tcgagcccg	360
ttatg	365

<210> 1425

<211> 338

<212> DNA

<213> homo sapiens

<400> 1425	
gcttgcagcc atggtgccca gtctggcccc accaggagac accagaacga ctgtccatgt	60
gtctactcct tggcaccttc ccgcgatggt gggtagatgg gcagggaggg gtgggaatct	120
gtgtaaccgt ggaaggggaac ggccctcaga ccagagggt ttggagcctg gggattgtc	180
accgacagtg gccttagcct agctagcaca gttagtgtg tgcatacag catagctttt	240
agaggcagga tttgtagtca gtatagttgg gaggcaccat ggagcagga tcaccctcca	300
actcattgac aaggagatac caaactatca gttcatag	338

<210> 1426

<211> 393

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (276)..(282)

<223> n=unknown

<400> 1426	
aattattggg gcagctacta ggcatacatca ggtgcagtgt taggtggttt tcattcatta	60
atctcttata atctattcaa ccctacaaga taggtgttat acaggtatga aacacgtgtt	120
tacagagaaa gaagatggct ttgccaaagt cacataactg attaagaagc agtttgaatt	180
tgaagccaga ctgacaggac ttcaaagtgc ttgacatttc tgctaccct gttcataca	240



tatggaaagg aatagagagc aatgatacag actttnnngg angggatgac tgtatgtgta	300
gaatatcgag aagaatattg gaaaaaggag gatatttccc agtacctctt ctcatgttga	360
gatcaaagtg ctcatagaac aatgcctctg aga	393

<210> 1427

<211> 262

<212> DNA

<213> homo sapiens

<400> 1427	
aatcaattgg ttatatattgt gtaagtcgat ttctccatga cttcctcctt ccctgggggtt	60
ccccttttta cttttccagc cacagagatg agacattaga ataggacgta cttcctgtga	120
ctgcttgcat ttctgggcca gaggcagaaa gacagaggaa aaaagcagca gatgtttgct	180
cctacatctt gagatcagag ctctctgat cagagaggaa gggttccttc cctcagagta	240
tatgtgactg ttgtccccgc tg	262

<210> 1428

<211> 446

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (413)..(413)

<223> n=unknown

<400> 1428	
gagctcagct tctggttgta ttctccatga gtttaataat gacatgaaaa aatgtggaag	60
ccgagagagt aaaatactct gccctgtaaa aacatggaag acatgcaaac agaaaaaaaa	120
taattgtatt gttttagata atacttaaga caactgtgaa acaacaaaaa cacaactatt	180
cctttgtgac cgatgaagat aaaaagaaat tctggtaaag acaggtatgc agttttttaa	240
aatgggttaa gaaattgttg cagaagaatt tctaacatct gaaaatgggt ttatgtttaa	300
gaaggatggt ctgaattgtg tactaatagc aaggataag tttggtgtag agcctatcca	360

gtagcgtcca ctgtaccact ttttaagtaag actcagtcga cagaagctgg aanattgcoct 420  
tcgcttttaaa atataccttta ccttct 446

<210> 1429

<211> 370

<212> DNA

<213> homo sapiens

<400> 1429

ctttgaggtg tcagtgaagg tgatttggtc ctgcgaatta ccctttgaga aaggtagtat 60  
tacctacatt tgttattggg aaactaagggt ttgaagaggt tggatgactt gcctaagact 120  
acatagccaa gaaagggctg agcctgagct tgtgccagta ttttgactcc taaagctgtg 180  
cttttaaaac cataccacat gtctctgtgtg ctgaatatcc gatgtggaac caagctaacc 240  
aaccttctca acacacgagt tetctgctc ccttctccac acacacctgt ctgccaagtt 300  
gtctgctctg atagtcaaac aaatcctaaa atctcttttt gtctaagact tcatgaaagt 360  
agaaagggtga 370

<210> 1430

<211> 449

<212> DNA

<213> homo sapiens

<400> 1430

gcacttgagg aatgcctctt gggaagggtga catgtaaaaa tgggtggtcaa cgccacttct 60  
gggcaggtgc caaggcctgt agcagcctgt gtctttgggt cctgcatgct ttcttttgtg 120  
ttggctgggt cctctggctg agttcactgt tgggtctgtct gtggcaatta cggagaagca 180  
tgacagtcac agcttcctct agttctactg aactcatgaa ctttgttcat aacagactct 240  
acaagtggta caggattcct atggccacaa ctcaactcaa ctccgtagaa atcaatgttt 300  
atggatcatt ggagctaaaa gaaaacttgc agatcagatc atctcatcca attcctgac 360  
tttacagaat gaggaaactg aggcacagta agattttttt ttttaatttt ttgcccggtc 420  
tgaataaaat tgaaggcacc cttaaccat 449

<210> 1431

<211> 270

<212> DNA

<213> homo sapiens

<400> 1431

```
gtatattaga caaggaaaat aatggcatat gaatatgtta aacaagttat aggagatttg      60
aaaactaagc aaggaacaaa agaacaaat ggaaaacttg aacataaagc ctagatgatt      120
ctatgaggcc atgctggacc tgactctcaa ggctctgaga agcagttcat attcttgctg      180
cttattaatg ttgctcacct ttcaagtgca gactgccaaag tgatcatgaat tagaaatgaa      240
agaggaaaga gggaaggtag taaattatag      270
```

<210> 1432

<211> 385

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (145)..(145)

<223> n=unknown

<220>

<221> misc\_feature

<222> (332)..(357)

<223> n=unknown

<400> 1432

```
gtccaaattt cttgtagact gatatgcata cctgatcatt atatcatttt ttttcccaga      60
gttttcttaa aactcaaata ttgaatacct aatctttcta agctaagagg ttggaattct      120
ggggaacccg tttataaaaa tgaanagggg tattaattac atcaacatgc tggccataag      180
gttaaaaaca ttcacaattt cccctcata attttgaagc ttttatacac aaggattgaa      240
```

aacctttaaa acttaagatc tgcgtgtcta gtttaaggct ctataaagag cacttaccca 300  
aaggagggtta ctaatatgaa ttaatttaaa ananacatgg tttccacaac aaacganaat 360  
tcttacagtt gaaaccaatt tactc 385

<210> 1433

<211> 482

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (456) .. (456)

<223> n=unknown

<400> 1433

cacagaagggt gagatcacag ctctgctggc agagattact agcccttggc tctctcgttt 60  
ggcttgggta ttttatatta tttctgtcat aacttttatac tttagaattg ttctttctcc 120  
tgtttgtttg cttgttagtt tgtttaaaat ggaaaaaggg gttctctgtg ttctgcccct 180  
gtaattctag gtctggaacc tttatttgtt ctagggcagc tctgggaaca tgcgggattg 240  
tggaattggg tcaggaacc tctctggtat tctggatggt gtaggttctc tagcagtcta 300  
gaaatggata cagacatttc tctgttcttc aagggtgata ggaaccatta tgttgagccc 360  
aaaatggaag taataataaa tgcctcctgg aggctgtggg tgtgggggat tctgtatctg 420  
gattccgtat cactccaact ggaggctgtg ggtgtngggg attctgtatc tggattccgt 480  
at 482

<210> 1434

<211> 445

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (385) .. (394)

<223> n=unknown

<400> 1434

```
agcgcacggc tgtagactgt gctgaacaga attcaaaaat aatggaattg cttcaggtgg 60
taccaagctg tgttgcttca ttagatgatg tggctgaaac tgaccgcaag gagtatgtca 120
ctgttaagat caggaaaaaa tggaactcaa aactgtatga tctaccagat gagcctttta 180
caagacagtt ttactttgtc cactcagctg gtcagtttaa gggaaagact tcaagggaga 240
ttatggcaag agatagaagt gtccctaatt taaccgaagt tctttgcatg agccagggag 300
gcaaagtgtc aactgagac agaataacct gccagctcag agtggatctc atgctgctga 360
gaaaggcaac agcgactggc caganaggct ggnntgacac agactggccc tggacacaga 420
cggatgctgc ggagacacac ggtag 445
```

<210> 1435

<211> 499

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (492) .. (492)

<223> n=unknown

<400> 1435

```
agagagatgg tggtggttaa cttttttggt gcattctttc ctgccacaga aaagctttca 60
ggaacttggg gctgaagact tctcaagcca gtctcatgga agcacattta gttctcagat 120
gtgttcacgc tcagcatcat cttgttgcat ccttgcttcc tagcagtggg ttcaacaact 180
cctcattcct gttaggaccg ggaagcacta acctcttggg gagtggagag ggggccagca 240
gcctccgggc cctgggacac gaccgcatcc tctaccgtgt gtctccgcag catccgtctg 300
tgtccagggc cagtctgtgt cagtccaggc ctctctggcc agtcgctggt gcctttctca 360
gcagcatgag atccactctg agctggcagg ttattctgtc tcagtgtgac actttgcctc 420
cctggctcat gcaaagaaac cttcgggttaa attagggaca cttctatctc tttgccataa 480
```

tctcccttga angcttttc

499

<210> 1436

<211> 467

<212> DNA

<213> homo sapiens

<400> 1436

gccagtcaga gaaggaagag gatgatggcc ttcggaaatc cctggataga ttctatgaaa	60
tgtttgggtca tccacagcca ggctctgcaa actcactctc tgcattctgtc tgcaagtgcc	120
tgtctcagaa aatcactcaa ctaagaggcc aggagagcca aaagtatgcc ctccgcagtt	180
ttcaaattggc ccgggtgata ttcaaccggg acggctgctc cgtcttacag aggcattcca	240
gggacaccca cttctaccca ctggaggaag gaagtacatc tttggatgat gaaaagccaa	300
accaggact gtcaaaggat attactcatt tcctcttgca gcagaatgta atgaaagacc	360
tgtaactggg gccgggcagt gtgcagggtg gtaatggagg tgctgtgcca tgaccagcag	420
tgttggtggc caccagatt ccctagggtc tctggccagc tctgtgt	467

<210> 1437

<211> 442

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (385)..(418)

<223> n=unknown

<400> 1437

gccggggtgc gcaattgggc ccccttggcc atggcggcga aggtggacct gagcacctcc	60
accgactgga aggaggcgaa atcctttctg aagggcctga gtgacaagca gcgggaggaa	120
cattacttct gcaaggactt tgtcaggctg aagaagatcc cgacatggaa ggagatggcg	180
aaaggggtgg ctgtgaagggt ggaggagccc aggtataaaa aggacaagca gctcaatgag	240
aaaatctccc tgctccgcag cgacatcacc aagctggagg tggacgcat cgtcaacgcc	300

gccaacagct ccctgctcgg aggcggtggc gtggacggct gcattcatcg ggccgcccggc	360
ccctgcttac cgacgagtgc cggancctgc agagctgtaa gactggcaag ccaagatnac	420
cggcggtatc ggctcccggc ca	442

<210> 1438

<211> 370

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (224)..(358)

<223> n=unknown

<400> 1438	
gggcctactg accagcaagg aaaacataat ccaatgcttg tggtcagtac tgaatgactt	60
ggccctacgt ctttgtgtct tttaagaacg gtccaatggg tctgtcataa cacttcaaac	120
atctgcttct cagtcctagt ttatgcttta taagccaatt cccattgggt taaatagttt	180
ctgtgccttt aatatgactg tctatatgga ttaatagtaa tgancacagt natgtggtga	240
taatganaat tttctactta gaatttggtt aaattcaatt ganccttnata aatgttctct	300
gaagtctagg ttaagaaaaa tagagaaatg aatgtggtag tctggcaanc atcttgcnc	360
tgtctggcaa	370

<210> 1439

<211> 363

<212> DNA

<213> homo sapiens

<400> 1439	
ttgccagaca tgagcaagat gattgccaga ctaccacatt catttctcta tttttcttaa	60
cctagacttc agagaacatt tatcaagttc aattgaattt aaccaaattc taagtagaaa	120
attgtcatta tcaccacatc actgtgttca ttactattaa tccatataga cagtcatt	180

aaaggcacag aaactattta aaccaatggg aattggctta taaagcataa actaggactg 240  
agaagcagat gtttgaagtg ttatgacaga cccattggac cgttcttaaa agacacaaaag 300  
acgtagggcc aagtcattca gtactgacca caagcattgg attatgtttc cttgctggtc 360  
agt 363

<210> 1440

<211> 94

<212> DNA

<213> homo sapiens

<400> 1440  
aattttaaaa agttgaagtg aagcagacaa atttcatctg aaaatatatg aacattccta 60  
tctttaccac caccctttac tgaatctttt gatc 94

<210> 1441

<211> 73

<212> DNA

<213> homo sapiens

<400> 1441  
gtaaagatag gaatgttcat atattttcag atgaaatttg tctgcttcac ttcaactttt 60  
taaaattctc gag 73

<210> 1442

<211> 427

<212> DNA

<213> homo sapiens

<400> 1442  
ggtcagagta aaagcttttt atctctaaat attacttccc tggaatatta gatgtagcag 60  
aagtcagtaa cggagtgacc tttctcttaa acaattcata gattcactga aattttcttc 120  
aacttttagga aaattaaata tattccacag tgctgtaagt cttaaattatt gattttcttc 180  
tgaaatcttg actcatccta cccaccaaca ttctcccttt gtacactatg ttctttgtaa 240  
tgttcatgtt acacaagtga aaattagtaa cattagtaaa ttttcattgc aggtttatatt 300



gttcatatatt ctggatatat aatccattac tgttaaactt catatcaatg ttccgatatt 360  
tcttcatctt atgttttatg ttacaaaaca gggtatttca ctatatgtat gtttaattgg 420  
ttaattc 427

<210> 1443

<211> 475

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (408)..(450)

<223> n=unknown

<400> 1443  
atatttaccac atggatatgaa ttagtccaag tgtttttata ctaaattttac ataatataca 60  
cttttcaagt aagtacaaag aggtataaac actgcttatg aattgaatgt taaaaaataa 120  
atctctatgc attacttttg tctttcccca taatctcacg tatacacata aaacaaaaaa 180  
caaggagacc caattatagt tgtggtatct gctgtttctg ccttgaaatt tccagcttac 240  
agctaagcaa caactactgt gcatccagaa cttacatcta tgttcctaga gtacttgaac 300  
cccattctca agtgcacct tcttaccagg tggaaatagt tcaactgctgt aataaatcta 360  
agaaaacatt atgtttctct ctactttttt ttctctcata taatctangg caatttctcc 420  
ctctgtatca ttttctgag aaaaactaan aataaatttt taatccaaga ccaga 475

<210> 1444

<211> 484

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (67) .. (152)

<223> n=unknown

<220>

<221> misc\_feature

<222> (377) .. (377)

<223> n=unknown

<400> 1444

```
aaagaataac catatccttc atggtggtga tggatagaag gagaaggtag atttggttact 60
agtagtngtg gcttttttgt ttgttttggg ttgttggtgg gttttgtgtg tgtgcgtgtg 120
cttgtgtata tgggttttgg tttgttttag tngtggtata tagggcactt tttattttat 180
tcattttata ctttggttta agtgcttggt aattcatatt acaaaataat tagagtgtga 240
ttcctccatc cccttaatgg gtgcacctaa aacatgaata ccagctaata gtccatgtgt 300
ccctgggcac acatgggaag atcgttacct gatgtgcagc agtcggcata gcttggttga 360
tactctctat agaagtncat tcagagccac tcagtctgaa cttggcagaa ttgccccata 420
tcccagtatt cagtgtccag cctatctatt gtttggggcc tacttctca ctctgacagg 480
tgag 484
```

<210> 1445

<211> 186

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (37) .. (149)

<223> n=unknown

<400> 1445

```
cactctgtca ccaggctgga acaattttta cacagagcat tgtgtaagga cttgctgtag 60
cagaatctca caaatctcta ccaccagcta ttgggtnggg agtggaagtg gggtgggcta 120
```

natccccata gangatagca ggggcaganc tagggcagcc agagtgttgc ttctcacctg 180  
tcagag 186

<210> 1446

<211> 417

<212> DNA

<213> homo sapiens

<400> 1446  
ctgggaagcc cagtttaaat cagactgccc tggtaagggt taagcttgag gatgaaaatg 60  
acaaccacc aattttcaac cagcctgtaa ttgagctgtc agtttctgaa aacaaccgac 120  
gtgggttata cttaacaact attagtgcc aagatgaaga cagtgggaaa aatgcagaca 180  
ttgtttatca gcttgaccg aatgcctcct tctttgatct ggaccgaaaa acaggagttt 240  
tgacagcctc cagagtatct gacagagaag aacaagaacg attcattttt acagtaactg 300  
ccagggataa tgggacccct cccctccaaa gccaaagcggc tgtgattgtt actgttctgg 360  
atgagatgac aatagcccca agtttactca taatcatttt caattttttg tgtctga 417

<210> 1447

<211> 459

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (445)..(445)

<223> n=unknown

<400> 1447  
ctattaagta tcgaatttaa tatattacaa taaaataatt tgaaatcaaa gagaagactt 60  
cctatatggc ttagttgcaa tctatcaacg atcatgtgct tcacagctga tgtacattta 120  
atattctact atcctgttta gagactaaaa aaaaaattaa cccctttagc aaccatagct 180  
gcaacataat tgcagtcaca ccttcaaaag tcattgaaaa cttgagattt gaaggtgact 240  
ttttagatca aaaggtaagg tgaaagtctt gaagcagtca atttggaac cccagggagc 300

agaatttggc atatcaggac aggttttttc ttcttcagca aacattatct tgggacattt 360  
 tggaataatt ttctcttttc atcttttggc atttgaagga aactgaaagg agaaaatatt 420  
 ctcagaactc aggaatttca aagcngttct aaaaattct 459

<210> 1448

<211> 483

<212> DNA

<213> homo sapiens

<400> 1448

gcactgtaaa tgtaatgcat ttgtgaaaac atttttttaa aaactacagc ttagaaaata 60  
 ccagaggcct cataactaaaa tatatttttg caagtgaagt aaatataaaa ataatttaat 120  
 ccaaaattaa gtctatataa atatcagaga attcacagta gaaatatcta aggtactgac 180  
 acttcagaca ttgctgagta tagaatcaga atgctgagta tagaaaataa tttaaaacta 240  
 aagttggtag gtaaataatg tgtatataac tttaaaagaa gtagaatttt tttgtagatg 300  
 tataattaca ttcaaattat attttttctt gaaaaattag tttttgaaaa gcaaataatg 360  
 atgtaattca actcaaattc atgctcttca tcctattgta ttcacatgtg aaagccatgt 420  
 ggattaattt ttcatgcac aaagatatga gaaatcattt ccggttaggg cgggattatt 480  
 tat 483

<210> 1449

<211> 467

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (214)..(461)

<223> n=unknown

<400> 1449

aaatgatata ctactaatc actttaattt taactaagat taaaaatggg tttctcttac 60

tataatgcag aagaatattg ctctgaaaac ctacttcacg gatcactcaa tattataagt	120
taaacacaaa cagcctcttc actcagggtt tcacatgcga tcttacattt taatgtcctt	180
attctttcat agaaagtgtc ataaataata ccgncnaac agaaatgntt tcctcatatc	240
nttgatgctg naaaattaat cncatgcttt cacatgtgaa tacnatagga atgaagagca	300
tgaatttgag ttgaattaca tcnttatttg cntttcaaaa actaattttt caagnaaaaa	360
tataatttga atggaattat acatctacca aaaaattcta cntcntttta aggtatatac	420
nccattattt acctaccac tttaggttta aaataatttc naaacct	467

<210> 1450

<211> 421

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (401)..(401)

<223> n=unknown

<400> 1450

gaataagaaa gtggggagtt atccaagacg aattgcagag caaaaatctt cagggttttag	60
gaaatgattg acagaagtgg gcaaagacaa agtaaaatct aagataacct ggtgcttctg	120
agtctgattg caggaggttg gtagccacac ggtaagggaaggaggcccc taagggtgctc	180
attgtcaggt ttgtgcaagt gcagagttgg cacctgagaa tgagtgcctt tttaaattgt	240
gagctgggca ccttgacgtc cagtcacctaa gttccctggg taccattggc aggagtacca	300
gatagatgtc agaggaactg aggaggaaag aggtgtctct aattttggac aagctgaatt	360
taagtgtttg aagtgtccaa agaaatatgt ctagcaagac nattaaata ctgtttctaa	420
t	421

<210> 1451

<211> 391

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (233)..(335)

<223> n=unknown

<400> 1451

```
ttctttggac acttcaaaca cttaaattca gcttgtccaa aattagagac acctctttcc 60
tctcagttc ctctgacatc tatctgtact cctgccaatg gtaccaggg aacttaggga 120
ctggactgca aggtgcccag ctcacaattt aaaaaggcac tcattctcag gtgccaactc 180
tgcacttgca caaacctga caaatgagca cctagggggc tcttttcct tancngtg 240
gctacnaact tctgcaaat cagactcaga ngcacnaggt nanctnngat ttnacttg 300
cttngcccan ttcgggnant catttcctaa aacnngaaga ttgggtcgg caattcgtct 360
tggataactc cccactttct tattcctcga g 391
```

<210> 1452

<211> 434

<212> DNA

<213> homo sapiens

<400> 1452

```
ctctgatgta gggaagaaat agttagaaac atatctccag gatgtcatgg aaggaactat 60
gagtaatcct ctgtaaccct ctgcatgcag ctgccatttc tgcttattat taccactgaa 120
ttaacacagg tacacgtctc cttttaaaaa aacaatacaa aggaaatctg agtccatgaa 180
gaaagaaatt agaagctggt attcatacta tagaagattt cttgactcta cagaagtct 240
tctatgtgat tgttttatgt ggggttttct gacgtatttc acaagcagtg tgatttacia 300
agcttcagct tatattcaga ttcaccacca tttatagtct gtgacatcct gatagctaga 360
ctagtgaata ttaagctacg tatgcagaga ggcaggaaaa ctgactctgg gggacatata 420
aagcagttat tgtc 434
```

<210> 1453

<211> 434

<212> DNA  
<213> homo sapiens

<220>

<221> misc\_feature

<222> (208)..(248)

<223> n=unknown

<220>

<221> misc\_feature

<222> (418)..(418)

<223> n=unknown

<400> 1453  
acgaataagg atttaactac tatcattatg cagctaattgt cctaaaccta catcttcata 60  
atcaatcctt ctggagttcc agatctaaat tctcaatagc ctagtggaca ttccacaca 120  
tttattttagg gcaaatgggt ccattcaaca taactaaaac taaattcctt acccttcccc 180  
acaaaccagc tcatgtcctc agtcagangn atcgatgntc tcccacaact agaaacttca 240  
gtcatggntt acttctctt cctcacacct gtctcacata tccctaaaca actacccttg 300  
ccaagaatct cagtctact gtgaatgcct gggttacgaa cctactcaag atttgaaccc 360  
agagtgccta tgaattcctc cagttcctaa gatctgcagc cccagtcctt agaagggntg 420  
aagaatgagg cagg 434

<210> 1454

<211> 493

<212> DNA

<213> homo sapiens

<400> 1454  
gttggttaat aaggcacaga atacctgtag cataggtcag ccttacgatg tccatgaatt 60  
acatattcag acgtttttaga gcctgatata ttttggaata gaaaaacaac ttctcacct 120  
attctacagt ccgcatttaa aacaataaat tcctctatta aaaacgtaaa gccggggttg 180

cttgcgtgcc acaggggaata tatccaggaa ggttattatg aagctgtcaa atcaagatga	240
tggaaataag gcagtttgaa cgaacagtct tcccacagtc aggccatttt tgctgatttg	300
gtttagaatt ttcagaaata cttagtacac tccacctgtt ctttgatggg aatatctaag	360
aaggctaggt aggttcttag ggtagcctg agtcatctag gggctcaact ccttgtaggg	420
ggaaatgaca gtgaacaagt tagtactttg ctccacaaat gcatgaaagg accaatttgc	480
atcttctatc agt	493

<210> 1455

<211> 509

<212> DNA

<213> homo sapiens

<400> 1455	
aaaaggaagt taaatactga tagaagatgc aaatttgtcc tttcatgcat ttgtggagca	60
aagtactaac ttgttcaactg tcatttcccc tcacaaggag ttgagcccct agatgactca	120
ggctaaccct aagaacctac ctagccttct tagatattcc catcaaagaa caggtggagt	180
gtactaagta tttctgaaaa ttctaaacca aatcagcaaa aatggcctga ctgtgggaag	240
actgttcggt caaactgcct tatttccatc atcttgattt gacagcttca taataacctt	300
cctggatata ttccctgtgg caccgaagca aaccggctt tacgttttta atagaggaat	360
ttattgtttt aaatgaggac tgtagaatag gtgtagaagt tgtttttctt ttccaaaatg	420
tatcaggctc taaaacgtct gaatatgtaa ttcattggaca tcgtaaggct gacctatgct	480
acaggtattc tggggcctta ttaaaacaa	509

<210> 1456

<211> 234

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (2) .. (220)

<223> n=unknown



<400> 1456  
tncagctgga gctggcgag gngctggccc aggagangcc caanctgcca gaggaccctc 60  
tgctcagcng cctcctggnc tccccggcac tcaaggcctg cnnggacact gccgtggaga 120  
acatgcccag cctgangatg aaggtngtgg aggtncnggn cggccacggt caccngtatt 180  
cccgnaatcc cangcctgct cancnccat cccctgctgn agctgagcta cacg 234

<210> 1457

<211> 383

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (347)..(368)

<223> n=unknown

<400> 1457  
ctcttcattt gacatgctca caaagaggag aataagacaa gaaagcaagc taaccagaa 60  
acagtgaggt gacagtgcgc ctcaaacaca ggaaaataaa atgcataact atactgattg 120  
gatgctgctc aaaatcagcc tacatgccat ctttgggtacg tgtgaacaaa gttaccaatt 180  
cctattctaa ctatgatata ctcaaaaactg tacaatcagt aatgggatgc tctaaagaca 240  
aaagaactgc aaaccctttt taaaaaatta ttttcagtaa cagtgttact ttttggatt 300  
aagattgtaa gaataccttg tggataatgt gggacaaacc caatggntac ttatgtggat 360  
ggngatantc tcaaattatc cat 383

<210> 1458

<211> 397

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (373)..(373)

<223> n=unknown

<400> 1458

```
ttttatttaa cttctatctt atttgtattg ccttctgtca ccaccaagaa tcttggtact    60
ctggaatacc aggatgata atttgagaat atcacattca cataagtatt catttggttt    120
gttccacatt atccacaagg tattcttaca atcttaatac caaaaagtaa cactgttact    180
gaaaataatt ttttaaaaag ggtttgcagt tcttttgtct ttagagcatc ccattactga    240
ttgtacagtt ttgagtatat catagttaga ataggaattg gtaactttgt tcacacgtac    300
caaagatggc atgtaggctg attttgagca gcatccaatc cgtatagtat gcatttaatt    360
tcctgtgttt gangcgcact gtcacctcac tgtttct                                397
```

<210> 1459

<211> 396

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (355)..(374)

<223> n=unknown

<400> 1459

```
ctctagtcaa cactaggcaa agtaagttac tttgagatcc actaactccc ctcccaagcc    60
tgcaggtaaa accatcccag atcaccttta ttcttgcttt agggttttaa aaccccagga    120
ggcaaacaaa ttaaagactg cagatgttct taggatgggt agacttgaca cagaagagaa    180
agaggtaaaa ctgttcatag agttcagttt gacaattaac atgtatatta gtatggttgc    240
ctgtgtttgt gttatgtttc actgtgtttc atcttctgt gcttggggtc ccccatgccc    300
tcctttccta tctctctcaa aaccagctgt ttttcccat ctgctgcatt ttggntatag    360
atattattgt aagnttgctt taaaaccaa ctcctc                                396
```

<210> 1460  
 <211> 446  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (440)..(440)  
 <223> n=unknown

<400> 1460  
 gaggtctggg cccctgaccc gtgccaaccc catagccatg acttcctgac agatgccatc 60  
 gtgaggaaaa tgagccggat gttctgtcag gctgcgagag tggacctgac gctggaccct 120  
 gacacggctc acccggccct gatgctgtcc cctgaccgcc ggggggtccg cctggcagag 180  
 cggcggcagg aggttgctga ccatcccaag cgcttctcgg ccgactgctg cgtactgggg 240  
 gccaggggct tccgctccgg ccggcactac tgggaggagc ctaaagaacc ctctggcct 300  
 ccagctcagc cttctctcac tactatgtct gtccaacaga ccggccagaa tttagcttca 360  
 cttgagagag atctggaatg gtcgccatga ttgaaaccac gcaccattac atcatcatta 420  
 cattaattac atcaacatan attatt 446

<210> 1461  
 <211> 314  
 <212> DNA  
 <213> homo sapiens

<400> 1461  
 ttttcccaaa gaacatgagt tcacctcagc catcaaagca gagggcgaaa gctgcaagtg 60  
 acaaggcaag aggtctctag aaaaatagat tataaccaag gctctcctcc tggggaccca 120  
 aaccggtccc caggctcccc ctgagagctt gccaaatgga gtgaaaggca tggaaagggg 180  
 ctgggagaaa agccagctcc actgaacaaa ggggagagga gcctggcagt gagcagacct 240  
 gggaggggtg tgggggtggga tgagctttgc tccttggttg agtgctggaa aaggggaagg 300  
 ggaagaaata attt 314

<210> 1462

<211> 51

<212> DNA

<213> homo sapiens

<400> 1462

cccaaaacag ggaaccatat cacatttctt tgattttaac ttgcacagtt t

51

<210> 1463

<211> 423

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (91)..(92)

<223> n=unknown

<220>

<221> misc\_feature

<222> (401)..(401)

<223> n=unknown

<400> 1463

cttttgtaat gtaccttttag atgggtacaa atcattaatg tacactttat aagtcagtat 60

ctaactcgtc cactatctga gtgttttatag nnttaaact tattctccca cctcttcca 120

ggtatgtgtg tgtgtaccct aaactaacia gtgaggaaga tatattccta gaatctctgg 180

ttggaattcc aattgtgtct tctcacagaa actatattat aaatgggtatt taggtttttg 240

gttttttttt ccatcaaact ctgtagacat taaacttcag ttatcttata ggtctgttgg 300

ggaggagaac aaaataatca ttgtgggtatt gatttgataa gaagacttgt ttagatacca 360

aacagtgaia taataatatt tctaaattag gggttatcac nagtcagta tgaatagacc 420

gtg 423

<210> 1464  
 <211> 431  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (196)..(412)  
 <223> n=unknown

<400> 1464  
 ttaggttaac tagtatttcc ttttgcagta ttttaacaagg gggttaacctc atccagtcta 60  
 tttttcacct gactttgtat gagatgaaaa atctcatctc tataaattca atttcaattt 120  
 tctaatatca tctatgctgt cttcttctac cttcttggat atctggaata tattttataaa 180  
 agttattttta ccaggntgat cttntaattc catcatctgt cccatttctg catctatacn 240  
 aatgattatg ttttctcctc attatgggtc aggtcagatt ttcttggttc ttacatgcc 300  
 tgataaatgt ttgattggct gtcatacant atgaatttca tgnntgtnt gctggagttt 360  
 ttggtattga tnaaaaccgt gtngancctc atgtgtgatg canttaaatt ancttgagat 420  
 aagtttgatt c 431

<210> 1465  
 <211> 154  
 <212> DNA  
 <213> homo sapiens

<400> 1465  
 ggaattacat attcaccagt gtatcttttag cacttaacat tttaatgaat ggaataatta 60  
 taagtgaact atatttttct aaaaacagag gcaagggtga tattaagaag aaaagttaga 120  
 ggatacataa tgtattcctg actctgagat atat 154

<210> 1466

<211> 120

<212> DNA

<213> homo sapiens

<400> 1466

ttttcttctt aatatcaacc ttgcctctgt ttttagaaaa atatagttca cttataatta 60

ttccattcat taaaatgtta agtgctaaag atacactggt gaatatgtaa ttcctcgag 120

<210> 1467

<211> 381

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (14)..(149)

<223> n=unknown

<220>

<221> misc\_feature

<222> (279)..(332)

<223> n=unknown

<400> 1467

gtcgtgctga agcncttggg gaccgtttcc ncggcatttc cccaactcct tctccacccc 60

cctgccaggc ccggaagtac caccagcttc ctaagggatg caggaagggg ccgggtgaac 120

tgangngaag tccagggcan gggagtcana cccctcaaca tctgttttag gggctcctct 180

ccacaaaggg tgccctccac ctctccctcc tgctggttgg ccggctcaga gatgaagggg 240

gagagatggt ggctccaagg ctctgccacc gccacctcnc aagcctgcca acgtgaatgg 300

ctngcagaat cagtcagcag gccagcggct tnggaaagag caactgtctc gcagcctggg 360

ccagctgggg gaacaatgta g 381

<210> 1468

<211> 468

<212> DNA

<213> homo sapiens

<400> 1468

```
tttaagtaat tgcattcagt tccaggatag gtgatgagaa ggtgactccc aagtggagca      60
gggagaccca ttggatttca ggctcccctc agccctgtaa cctggcatca ggatctgagg      120
gctggtctga agtctgccct tgggtgagcg tgtcagtgcc cctcagacc atcccagctc      180
aagtccactg cccaccatgt gccaaccccc ccgcaagcct gggacccta agcaacaaac      240
cctacattgt tccccagct ggcccaggct gcgaggacag tggctctttc ccaaggccgc      300
tggcctgctg actgattctg caagccattc acgttggcag gcttgggagg tggcggtggc      360
agagccttgg agccaccatc tctccccctt catctctgag ccggccaacc agcaggaggg      420
agaggtggag ggcacccttt gtggaggagg acccctaaac aggatggt      468
```

<210> 1469

<211> 443

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (27)..(79)

<223> n=unknown

<220>

<221> misc\_feature

<222> (309)..(309)

<223> n=unknown

<220>

<221> misc\_feature

<222> (410)..(436)

<223> n=unknown

<400> 1469

```
gttgagaagt gtgccttttt tttaatngct tgaantttca gaggtgataa nnattaaaat      60
cacactacta tttgaagcnc attttctatg cagggttttta aacgtcattt atgtatcatt      120
ctttttatat atcacactta agcttgtgtt agcttttttc ttttgcccca gatcaaactg      180
aacaatgtat ataacactat ctgtctgtaa aatacttttt ttaagaaagc atttatatatt      240
atatgacagc ttgaactgac aacattgtgt atatagatca tcttgaagta ttatttcaca      300
ttgaaaagna gaaaatatat tgataactat agatgttatg aagaagaggg tattttctagt      360
ttgtactaaa aatcaattgg atgaactaaa tcccaaacat gacactgtan gcagcagttt      420
taagnctaat tttacngggg ata                                              443
```

<210> 1470

<211> 338

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (235)..(299)

<223> n=unknown

<400> 1470

```
acggcaaaat cttagcagca aagtgggttaa acaaattgaa aatattaatg cacaaacatt      60
aaaatattaa agcatatatg ttgcatataa aatacagtac agaaccagga gttgcactat      120
actgattagt gcttaacaga agaaatgatt aaatttgttc ctcccagaag tatatacaca      180
gttcatttcc acagcatttt cctatatagc cagcaagtta ttttcttcag ttatnacacc      240
ttgatcaaac cngaattata aacttagcac ttacaaatat gaaaattcat tcacaaggna      300
aaacagtatt tccatttcac caataaaaat tttgaaag                               338
```



<210> 1471  
<211> 340  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (129)..(292)  
<223> n=unknown

<400> 1471  
gacaatgccc agacctctgg catagaggag ccttctgaga caaaggggtc tatgcaaaaa 60  
agcaaattca aatataagtt ggttcctgaa gaagaaacca ctgcctcaga aaatacagag 120  
ataacctcnn aaaggcagaa agagggcatc aaattaacaa tcaggatata aagttggaaa 180  
aagaagcccg attctcccc caaagttcta gaaccagana acaagcaaga gaagacagaa 240  
aaggaagagg aganaacana tgtgggtcgt actttaagaa agatctccaa gnatatctag 300  
acccactgca aaagtggctg agatcagaga tcagaaagct 340

<210> 1472  
<211> 442  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (4)..(109)  
<223> n=unknown

<220>  
<221> misc\_feature  
<222> (226)..(441)  
<223> n=unknown

<400> 1472  
cttnnnngag gaatgatgtt ttcaatactg ataccaacat acaccaagcg ttcttttctt 60  
cgttcggcac gctcttttctt ctttaaggca acatccaaat cctgnaacng ttcctetaat 120  
ttttcacaga gcagtttatg ttggcaaggt gggcagaacc attctccatc tgggatgac 180  
atcagaggag ggcgaaggca ggcagtatgg tatccactat cgcaanagtc acacagnagc 240  
attagcncag gntngtttgg aaggccacat tttttgcatg gttcatcatc atctgcnagg 300  
atggcttctt cacttttctn ttcttctctc tcttctgaag ctgcagatga tntttcactg 360  
ccagacctt cacttttcatc attgctggaa tatntccatc tgccacgtgt ccgagnanca 420  
gtccatcgaa ctttgccttn ng 442

<210> 1473

<211> 235

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (87)..(158)

<223> n=unknown

<400> 1473  
cccgccaca tctccttggc cccgccccac tcccgcgggg ctattgtccc cgacccaagc 60  
actctgggga ctactccat agtccangag ttccagggtc cggattatgt tccatggcag 120  
cagtccaagc aggaaaccaa gccatctact ctgcctcnag tccaacaagc caacagcctt 180  
catacaagca aaatgaagac tttgactagg gtccaaccag tgtttcactt caagc 235

<210> 1474

<211> 475

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (86)..(215)

<223> n=unknown

<220>

<221> misc\_feature

<222> (403)..(407)

<223> n=unknown

<400> 1474

gagactgagc agacgcctcc aggatctgtc ggcagctgct gttctgaggg agagcagaga	60
ccatgtctga catagaagag gtggtnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncag	120
ctgttgaaga gcaggaggag gcagcggaag aggatgctga agcagaggct gagaccgagg	180
agaccaggnn nnnnnnnnnn nnnnnnnnnn nnnnnaagga ggctgaagat ggcccaatgg	240
aggagtccaa accaaagccc aggtcggttca tgcccaactt ggtgcctccc aagatccccg	300
atggagagag agtggacttt gatgacatcc accggaagcg catggagaag gacctgaatg	360
agttgcaggc gctgattgag gctcactttg agaacaggaa ganagangag gaggactcgt	420
ttctctcaaa gacaggatcg agagacgtcg ggcagagcgg gccgagcagc agcgc	475

<210> 1475

<211> 511

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (395)..(497)

<223> n=unknown

<400> 1475

gcaggcagga gtggtggctc ccacctaggc cagctcccca ttccaaaca ggagctgcct	60
--	----

ggggtgcccc	ggagggcccc	ggaactgggg	gagtgcaggc	cggaggaggt	gcgagcgagg	120
agcagatctt	tggatgaagga	ggccaggctc	tatttccagc	gcccggtgac	tttagccttc	180
ccgcgggtct	tggagacttt	ctggttatcg	ttgatcctgt	ttcggagAAC	attgatctca	240
tatttctgct	gcttgaactt	ctcctgcagg	tgaacttct	ctgcctccaa	gttatagatg	300
ctctgccaca	gctccttggc	cttctccctc	agctgatctt	cattcagggtg	gtcaatggcc	360
agcaccttcc	tcctctcagc	cagaatcttc	ttctnctttt	cccgtcagt	ctgcntcttt	420
cccanntttc	cgctctgtct	gggctgcttc	tggatgtaac	ccccaaaatg	catcatgttg	480
gacaaagctt	cttcttnccg	ggcctcatcc	t			511

<210> 1476

<211> 360

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (182)..(185)

<223> n=unknown

<400> 1476	
agagagtaga	aaacaactta gtttttcttt tttcctgaat gcgtcatagg cttgtgagtg 60
atTTTTgtcc	attcaattgt gccttctttg tattatgata agatgggggt acttaaggag 120
atcacaagtt	gtgtgaggat tgcattaaca aacctatgag ctttcaatgg ggaagaccag 180
annngtgaga	ggggccctga aagttcatat ggtgggtatg tcccgcagca gagtgaggag 240
atgaagctta	cgtgtcctga cgTTTTgttg cttatactgt gatatctcat cctagctaa 300
ctctataatg	cccagagacc caaacagtac ttttactttg tttgtacaaa aacaaagaca 360

<210> 1477

<211> 211

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (66)..(191)

<223> n=unknown

<400> 1477

aggggggttta tttgtatttt tttaatgttc tgcttgaga taattacaga taagcacaca 60

attnnagaa nttatgcaga gatccctgat accnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnca gtgatacaat ccatagtcct 180

tacacaggtg ncgtcagttt tacatgcact c 211

<210> 1478

<211> 73

<212> DNA

<213> homo sapiens

<400> 1478

aggtgggtgt agctgtaaaa ggtagtgca aaggaaacctt gtgatgaaac tattctgtat 60

cttaactgtg gtg 73

<210> 1479

<211> 392

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (365)..(365)

<223> n=unknown

<400> 1479

gtccacttaa tggcacttct actagggagc aaggaccatc ccggcacgtt tacctgacat 60

atgaaaatct gttgtctgag cctgttggtg gtagaaaggt ggttgaaatg tttcttaatg 120

actggaatag cattgcacga ttatatgagt gtgtggttga atttgcacgt tctctaccag	180
acatacctgc tcattctaaat attttctcag aagttcgtgt ttataattac cgaaaactta	240
tcttgtgtta tggaaccacc aagggaagct caattagtat ccaatggaat tcgatccatc	300
aaaaattcca catttctttg ggaactgttg gcccaaactc aggttgcagt aactgtcaca	360
aatancattc tcccatcagc ttccaagaaa tg	392

<210> 1480

<211> 337

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (146)..(169)

<223> n=unknown

<220>

<221> misc\_feature

<222> (285)..(285)

<223> n=unknown

<400> 1480

tgtttataac aactcccaga acatttcatg taaggattca aagcgggtcat attaaaatac	60
agcttcaata taaagtttat cacagtttta cagtattcaa aaatgacaga cctgccttaa	120
aaaacaaaac aaaaaccaaa aaaggngctat tacacccaaa acataagana acaattaaat	180
aaacaagttt ggcattttca taactttata gtataaaaca gaatattaaa tttattactg	240
gcaaacggac actgatttat ttcctttgaa atgtgtccca tttanacaca ctatacaagt	300
tcattataca aaagatggat gatcattttg atgaaag	337

<210> 1481

<211> 439

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (304)..(306)

<223> n=unknown

<400> 1481

```
caggagcaga cctactggct ggtgaacagg ccccgcccg gggcccccga tgtgctggag      60
caggggtccag ggcggggatc ctgcgctgcc agccgtgtgc tcatgaccaa gagtgcagat    120
ttccataagc gggagatcga gtacttcagg aaagcgctgg gcaggacccg agtgaagtcc    180
tccgtctgcc ttgaggcgta cctgagtttc tgcggacagc gtggacccca cgatcccctc    240
gtgtcgggggt gcctgcccag caatccctgg atctcagaca atgacgcta ctgggtcatg    300
aatnccccca cccctgccct ctccccaggg tggctgcccc cacgaagctc cgtgtggaga    360
gatggggctt cagcttccgg gagctcctgg gaggaccccg tggggcgggc ccactttcat    420
ggactttctg ggaaaggag                                     439
```

<210> 1482

<211> 406

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (187)..(187)

<223> n=unknown

<220>

<221> misc\_feature

<222> (297)..(400)

<223> n=unknown

<400> 1482  
 ttgggagtga ctggatgtga gccagcccta tgggtgggga tggcaccgcc ctaccgccga 60  
 gagagttgaa gctgcacccc cgaaaggagc cagctgtacc ttcacccagt ctgggggact 120  
 ggtgaggcac ttgggggatg gggagcaagg ccagctcacg aaggaagact tgggcaggga 180  
 ggatcangga cgcttgga ggaaccaccc tatggaatcg ggccctcgta gtgggggtgac 240  
 aatgtcagag ttgtctataa atcggggggg aggccgcggg cctcgagggtg ggaaaancag 300  
 gtgccggcgc acctgtggac aaaattcttg aacgcgtttg ggcgaggnga gggataggcg 360  
 caactcccgg aaggcaattg accctcgagg cagncttcan gcaacg 406

<210> 1483

<211> 483

<212> DNA

<213> homo sapiens

<400> 1483  
 gaccgacacc tccaccctac aagtactgaa aaggcacagc ttactgaaac aaatgcaggt 60  
 atcaagtgct tggactccat gtgctgtttc ccggaaggag aagcagcgtg tgcattctgtt 120  
 ggaagaatgc tggaacgagt tataggaaga tgtagtccaa cccacatcag caggtgtgaa 180  
 atctctctaa gtagcctttg ctgcagatga gtatcctatc tggaacagga tgaacctgcc 240  
 gctctagata cctaataaat cagcagctgg ttttaccac tgaagcagga agtctgctat 300  
 ttattagcac tctttggtgg tagatttcac tttgtggctt tggggtaagg gctttttcac 360  
 tcacaaagga agagaaagca cctttgaaga gacttcatct aatgaacaaa aaattttggt 420  
 tcataatctt tctaaaatgt gctcagtagg agtgtgttta tgggtactctt ttatggtttg 480  
 tat 483

<210> 1484

<211> 528

<212> DNA

<213> homo sapiens

<220>



<221> misc\_feature

<222> (507)..(507)

<223> n=unknown

<400> 1484

```
gagcagaaat acagcctttt gtgtttataa atacctcaaa gcctcaaata accaactgga      60
aaatatacat acagagtaag aaaaggaaag cctttgactt cactgttatg ttgagattat      120
tttgtaaaga caaaaagcaa aaaaatttta aaaaaataaa aaggaaatag tatatgtata      180
atttaaaaaa gaaagttata caaaccataa aagagtacca taaacacact cctactgagc      240
acattttaga aagattatga aacaaaattt tttgttcatt agatgaagtc ttttcaaagg      300
tgctttctct tcctttgtga gtgaaaaagc ccttacccca aagccacaaa gtgaaatcta      360
ccaccaaaga gtgctaataa atagcagact tcctgcttca gttggtaaaa ccagctgctg      420
atttattagg tatctagagc ggcaggttca tcctgttcca gatagggtac tcatctgcag      480
caaaggctac ttagagagat ttcacanctg ctgatgtggg ttgggact                    528
```

<210> 1485

<211> 377

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (322)..(365)

<223> n=unknown

<400> 1485

```
gcacgagaac tctcaaagcg ggaggaagaa aaactggaca ggctgattgc tattggtgag      60
gaggccagtg ctcagcaaga tactgccaat gagctccgca ggatgctgtc atgcagtgca      120
gacgtttggc aacagcagtg gaagaggcaa ctggtgcttt tcagctaggc cttgaaaaat      180
tgcttcagag gttgatttcg aatacaaaaa gctaggaacc aattacaaaa ggctctgctt      240
cctaaactgg tagaagtcta gttcccaaac ctgcttctga atccctggct ccttttctgt      300
gtcctccaga aaaaaacatg gntgaaccat ttatatccag atagtatgaa aataattgct      360
```

agntccattt tcccaga

377

<210> 1486

<211> 466

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (420)..(420)

<223> n=unknown

<400> 1486

ccagtatttt atattgaaga ttatcgatat aaaccgtaac acacaatggc ggctccctgg	60
cacttcttat ttccttatat tgataggaga ctaagaacca gtaaaatgaa ggagagaaag	120
acggtttgac aaaacagtgc ttactagtag atatgtcaga tacacagcag tggaaatgta	180
agagattaag gtacaaatac aggttggtct tatagtcgtc taatgagcca cacagggatt	240
ttaaaaatta agatttcaaa ctccatgaag cagtcaagtt agaccagcaa aggaagattc	300
aagcaatgaa gtcacagtat atatccatac ttctgtatct tgtaaaccaa tctgccttac	360
ctcagccaag gccatatgaa ttaataactt aaatgtgtac agtgctttaa acttttaaan	420
cctttcacat ctatggacta cgtgattctc acaacaacc tgtgag	466

<210> 1487

<211> 282

<212> DNA

<213> homo sapiens

<400> 1487

ggcaaaaaaa aaaaagtcct gtggaaatca tatagacaaa catttgcaaa gctgctactg	60
ccattgtacc agtggttaac tgtgttctac cttgcatctt ttactgattt ttatgacaga	120
ttttatattg taaccattcg agaactctgt aagtgtatg gcttccttaa actacgattt	180
atcatatgct cccggtgttt actttgagac tgaatggcaa ccagagaatg taaacaacca	240
aggtgcatct gggttatgttt taaaataaag attaataaaa gt	282

<210> 1488

<211> 250

<212> DNA

<213> homo sapiens

<400> 1488

```
gcaccttggt tgtttacatt ctctggttgc cattcagtct caaagtaaac accgggagca      60
tatgataaat cgtagtttaa ggaagccata gcacttacag agttctcgaa tggttacaat      120
ataaaatctg tcataaaaat cagtaaaaga tgcaaggtag aacacagttt aacactggta      180
caatggcagt agcagctttg caaatgtttg tctatatgat ttccacagga cttttttttt      240
tttgcctctg                                     250
```

<210> 1489

<211> 366

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (202)..(202)

<223> n=unknown

<400> 1489

```
acgggaattg cctggcgcca cccccaacgac ccctccttcc tgctgtctgg ctccaaggac      60
agctcgctgt gccagcacct gttccgcgac gccagccagc ccgtcgagcg cgccaaccct      120
gagggcctct gctacggcct cttcggggac ctggccttcg ccgccaagga gagcctcgtg      180
gctgccgagt cggggcgcaa gncttacact ggcgaccggc gccaccccat cttctttaag      240
cgcaagtggg accctgccga gcccttcgca ggctcgcct tccagtgcc ttcagtgtct      300
ttgagacgga gccaggtggc gggcgggcatg cgctggtttg tggaacacag ctgagcggtta      360
tgcgct
```

<210> . 1490

<211> 434

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (45)..(45)

<223> n=unknown

<400> 1490

```
gaatatttga ggtattgcat ttcttatttt atgacctagt gtttntcat tttgtttctta      60
attgtgattg gcctatcagt aatactattg acagatacaa ttcaatagct actctgtgtc      120
tattgtgagc aagtcattgt gattaggtac tgcctaaagt ataaaaaagg gaatgaaaga      180
aaacaaaaag tgattacaaa aagtagaaca tgataagtga attcaagaaa tggtttcata      240
gatgaggtaa cacttaaaat gcttttgagt gatcacagaa tatattcatg tttctggtag      300
aggaaatggc ataaggaaat gtgtgcaaaa agtgtaagat atgcttgaca agtatgtagc      360
tggagtagag tgtagcagag taggagggcat tatagggtgg tgattaagaa ctttggcttt      420
gggagccaga cagc                                          434
```

<210> 1491

<211> 531

<212> DNA

<213> homo sapiens

<400> 1491

```
tccacttcat ctctcccaa atgaatgaat tgatctggaa acacctcact aatttctttg      60
aaaaatgtag taaggaagct gtatgttgta ttcagagtag ggtttatagg tccaaaagag      120
tccaacttgt tttgtctact gtaacatgga gtcaggaggt ctttctgacc tagaagaaaa      180
tattaagatt ctttttaaaa gaagtgtact cattataaag atctgggttt ccacatgatt      240
ttactacgtc attttattga agctacaaga ttttatacac aaaagatgaa catgtttact      300
aagagctagt aatttcttcc agataagaag ggtttcctga atcctgtctc tttgcctctt      360
```

tgtttcccat tataatctgag attttatcta tgtcaaagt tagtaactcc caaatcttca 420  
 gtttgctca acgctttttc ttgagcttca attcatattt caaatccct gctggatata 480  
 actgaatatc ctagctgtac ttcaaataca agctaacaaa aaacaacatc t 531

<210> 1492

<211> 440

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (39)..(39)

<223> n=unknown

<220>

<221> misc\_feature

<222> (188)..(188)

<223> n=unknown

<220>

<221> misc\_feature

<222> (313)..(496)

<223> n=unknown

<400> 1492

gtgctgggtc ttgcgcgcgc tggcctgcac agtgctgang tgcctaggca tccctaccgc 60  
 cgtcgtgacc aatacaaatc ggcccatgac cagaacagca accttctcat cgagtattcc 120  
 gcaatgagtt tggggagatc cagggtgaca agagcgagat gatctggaac ttccactgct 180  
 ggggtggantc gtggatgacc aggccggacc tgcagccggg gtacgagggc tggcaagccc 240  
 tggaccaaac gcccaggag aagagcgaag ggacgtactg ctgtggccca ttccagttcg 300  
 tgccatcaag ganggcgact gagcaccaag tacgatgcgc ctttgtctt tgcggangtc 360  
 atgccgacgt ggtagatgga ttccagcaga cgatnggtct gtgcacaaat ccattcancg 420

ttcccttgat tcgttnggct

440

<210> 1493

<211> 433

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (320)..(395)

<223> n=unknown

<400> 1493

ggaaagt	tttg	ggtatgtgca	taacagagac	agaaattcag	tgtttgacag	atcaagtgtg	60
aggtgcccac	tgagcatcaa	agtggatatg	ttaagcaggt	attggatgta	caaatctaaa		120
ttcagtaagg	tcagtccagg	agaaaatttg	gggagtagtt	agccatggga	tcagatgggc		180
gctttaggga	cactttggag	atgaagtaca	gcactgagcc	ctgagttcct	gtgacagaga		240
agcagcctgc	aaagacgaaa	ggaggagctg	ttaggaagag	caaggcaaca	gaaaaggaag		300
aaccagcatg	ctgattatgn	tcaggagagt	gtttctacgc	tgaatttaat	tgccaagatt		360
accaattcta	aagaagagga	ggactcttgg	acaanttttt	agaagttggg	tttggagctg		420
gggtgagagc	ctg						433

<210> 1494

<211> 409

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (294)..(386)

<223> n=unknown

<400> 1494  
 aggggaagtga cattatctga ttttcgtttt ataaagatcc ctgcggtgc cgtcagtgat 60  
 tgtaggaggg caggagtgga tgcaaggaca gcagacatta gtgcaggagt tcaggtgaaa 120  
 gatgataata gcttggacag agtggttagca gtggacatgg agggaggtag acagatttaa 180  
 gatgtctcgg agacagctga tggaatttgc tgataactgg aatgggagtg acaatgacaa 240  
 ataaaggaac ctagaataag ccccagaatt ttgcttaagc aactgagagt tcanccatgg 300  
 cagatctgtt aagcacnaaa gttaaacaca aatacnaatt catactgcat tggactcttt 360  
 taagcagtgt cntatagaaa aaacanttta tctagggaaa aatgcaaca 409

<210> 1495

<211> 457

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (342)..(342)

<223> n=unknown

<400> 1495  
 gccactgccg tctccgccgc cactgggccc ccagagcccc agccccagag cctaggaacc 60  
 tggggccccgc tcctcccccc tccaggccat gaggattctg cagttaatcc tgcttgctct 120  
 ggcaacaggg cttgtagggg gagagaccag gatcatcaag gggttcgagt gcaagcctca 180  
 ctcccagccc tggcaggcag ccctgttcga gaagacgcgg ctactctgtg gggcgacgct 240  
 catcgcccc agatggctcc tgacagcagc ccactgcctc aagccgtggc cgctacatag 300  
 ttcacctggg gcagcacaac ctccagaagg aggagggctg tnagcagacc cggacagcca 360  
 ctgagtcctt cccccacccc ggcttcaaca tcagcctccc caacaaagac caccgcaatg 420  
 acatcatgct ggtgaaagat gggatcggca gtctcca 457

<210> 1496

<211> 417

<212> DNA

<213> homo sapiens

<400> 1496

```
gatgagccct gatgaggggtc aagaggaact ggaagaagtt caagctgaat taaagaagaa      60
agatgaagaa tttcaacgaa ccaaactttt aaatggaccg ggagatgttg aaacgggtac      120
aagcataaca gtacctcaga aaaagtgggtt gcattttatt tcaccattt ttgttcaagc      180
tcttacatta acattcttag cagaatgggg tgatcgctct caactaacta caattgtatt      240
ggcagctaga gaggaccctt atgggtgtagc cgtgggtgga actgtggggc actgcctgtg      300
cacgggattg gcagtaattg gaggaagaat gatagcacag aaaatctctg tcagaactgt      360
gacaatcata ggaggcatcg tttttttggc gtttgcattt tctgcactat ttataag        417
```

<210> 1497

<211> 541

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (461)..(535)

<223> n=unknown

<400> 1497

```
ttacattggt tattcaatat agaaaaaata tgaatacatt catagtattc tcttttaatt      60
tggttaattcc acattgtcaa atattgactg tttttatatt ggggtgtccta cccaattaaa      120
aaaaaaagag gaagaatgac ctggcagaca gttcttggtg tgccatgtta ttgatataac      180
agcaatatca tatatgtctc tttttttaaa cacctagttt tgaaaagacc aatgattaaa      240
ctactgttta ctggctcagg gaaatgtttt aagaaataga aattaattca ttctttcccc      300
aagaaaaact ttaaggtaaa catcttaaaa cacctaagtg atgaaggaga aaatttgtat      360
tccttaaaaa ggggtcagtg ctgaaagaaa attgcatggt agaccccaact gcacaacggt      420
tctgcaccaa aagaaaaatg aggaccatat taacataatt ntgttggaga gaagaaaaac      480
ccacacttag aagtcagggt ctttaaaaact ccttgttacc aaatagaatc natgnttata      540
```



<210> 1498

<211> 381

<212> DNA

<213> homo sapiens

<400> 1498

```

agacaacaga cagcagcatt cattcatagg atcaactaac aaccatgtgg tgaggaattc      60
aagagctgaa ggacaaacac tggttcagca caggcgtgtc tccttcaagg ggggtctctga    120
gaacttctct gggtagtgga tttggctctc cgtcagtgtc cgacccccga cctctgaacc    180
ccagtgcata ttctccacc acattacctg ctgcacgggc agcctctccg tactcacaga    240
gacccgcctc cccaacagct atacggcgga ttgggtcagt cacctcccg cagacctcca    300
atcccaacgg accaaccctt caataccaaa ccaccgccag agtgggggtcc cactgaacct    360
gacggatgca cagactcgag t                                     381

```

<210> 1499

<211> 344

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (200)..(322)

<223> n=unknown

<400> 1499

```

actcttttcc tagtaagtca tccaattcgt tcagtcccag taaccggggc tggggcacct      60
ccagctccag ccgataggac aggttcctca ggggtgcacac gcagttctcc accgtcttgc    120
tgtcgtaatc ggatgtgttc acacacgtgt ggatcacata caacagtgag tctaccagcc    180
cctcgcagga ccgcatttgn ttccgagctt cttccccgcg ggagcngang ttccttaggc    240
aacctgtcgt gttacgcnga actagtgaag tctgaaattt aattttatga tcatcatcna    300
aagaagagtt attccttcca gnatgtggaa caatccacag tggt                          344

```

<210> 1500

<211> 440

<212> DNA

<213> homo sapiens

<400> 1500

```
cactgttggt cccagtaggg atggcacaat cagcgaggac accatccgag cctctctcat      60
ctctgcggtc agtgacaaac tgagatggcg gatgaaggag gaaatggatc gtgcccaggc     120
agagctcaat gccttgaaac gaacagaaga agacctgaaa aagggtcacc agaaactgga     180
agagatgggt acccgtttag atcaagaagt agccgagggt gataaaaaca tagaactttt     240
gaaaaagaag gatgaagaac tcagttctgc tctggaaaaa atggaaaatc agtctgaaaa     300
caatgatatc gatgaagtta tcattcccac agctccctta taaaaacaga tcctgaatct     360
gtatgcagaa gaaaacgcta ttgaagacac tatcttttac ttgggagaag cttgagaagg     420
gggcgtgata gacctggatg                                     440
```

<210> 1501

<211> 422

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (11)..(15)

<223> n=unknown

<220>

<221> misc\_feature

<222> (396)..(409)

<223> n=unknown

<400> 1501

cacaaaaagt ntacngagga tagaaagtgc attaataaaa gccagtcttt accaaaaagaa	60
aacagaaaaat atattattga ttcaaaatat tttacacttg aatgataaac tgcaataact	120
tattctgggc acctactgat aaaaggaaga gaagaatact ttaagaagag ctcaacctcc	180
agctggtatc agagaagtca gtagcgctca ctgagaccgg cagtctttct tgctttttgc	240
attagtcccc tcagctggaa ctgtttacgg gacagaagac gtacatgctt caggaagaca	300
tccaggtcta tcacgcccct tctcaaggct tctcccaagt aaaagatagt gtcttcaaca	360
gcgttttctt ctgcatacag attcaggatc tgtttngcan nngggagcng tgggaatgat	420
aa	422

<210> 1502

<211> 347

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (178)..(178)

<223> n=unknown

<220>

<221> misc\_feature

<222> (290)..(392)

<223> n=unknown

<400> 1502

atttgtttct ccccaaatct agaaatttta gttcatatgt acactagcca gtggttgagg	60
acaaccattt acttggtgta aagaacttaa tttcagtata aactgactct gggcagcatt	120
ggtgatgctg taccctgagt tgtagcctct gtaattgtga atattaactg agatagtnaa	180
acatggtgtc cggttttcta ttgcattttt tcaagtggaa aagttaacta aatggttgac	240
acacaaaaat tgggtggagaa attgtgcata tgccaatttt ttgttaaaan cttttgtttt	300
gnactatact gctttgagat ctcatcaga agaacggcat gaacagt	347

<210> 1503  
 <211> 591  
 <212> DNA  
 <213> homo sapiens

<220>  
 <221> misc\_feature  
 <222> (583)..(583)  
 <223> n=unknown

<400> 1503  
 ccattttcaaa ataaaaacaa aatcccagat catatagatg tttacagtga ttacatttat 60  
 ctaagcaaca tacatacatg ttcagttgta agatgttaac taaatttctg tgacaaatat 120  
 gctttttttt taataccaag aacattatag agttaatgca gagtcctaag gataatctag 180  
 tagtcactaa gtttttctta agtcttcact ttagatgctg ttatttctag cacaattaag 240  
 caggcagagt ctttcatatg ctcaaacact ggaatctttg gttgctacca ttcagctgg 300  
 cttgcagaca agaagccaac cattttaaga atgttttaag tgaacaactt gcaaacccca 360  
 gggatggaaa aaccctaaga atgcacaatt gtgagcattt aacaaccatc acaactgtgg 420  
 ctgaagactg ttcatgccgt tcttctgaaa tgagatctca aagcagtata gttcaaaaca 480  
 aaaggtttaa caaaaaattg gcatatgcac aatttctcca ccatttttgt gtgtcaacca 540  
 tttagttaac ttttccactt gaaaaaatgc ataggaaacc ggnccactg t 591

<210> 1504  
 <211> 360  
 <212> DNA  
 <213> homo sapiens

<400> 1504  
 ctcatttaaa aatttatgcc acagtcctta taattggaaa aatactgggtg cccaggtttt 60  
 cttggagtta tccaagcagc tgcgccccta gctgggatct ggtacctgga ctaggctaata 120  
 tacagcttct cccaacagg aaactgtggg atttgaaaag gaaagggaag ggaaaacaga 180  
 gaacctagtg gtctaccaag tggttggcaa ctttcccaat gtctgcttac tctgaggctt 240

ggcactgggg gccagggcct gccccagggc tcttgaatt tcccttgatc cagctaggct 300  
 gggacactcc ctaaatacagc tgcgtgttgt tagcatcagg cagaatgaat ggcagagagt 360

<210> 1505

<211> 425

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (318)..(336)

<223> n=unknown

<400> 1505  
 gatttgactg agatgcctta tggagaagta cccaccctc tatgaagaca gaatcactct 60  
 ctgccattca ttctgcctga tgctaacaac acgcagctga tttagggagt gtcccagcct 120  
 agctggatca agggaaattc caggagccct ggggcaggcc ctggcccccga gtgccaagcc 180  
 tcagagtaag cagacattgg gaaagttgcc aaccacttgg tagaccacta ggttctctgt 240  
 tttcccttcc ctttcccttt caaatcccac agtttctctgt tggggagaag ctgtaattag 300  
 cctagtccag gtaccagntc ccagctaggg gcgcantgct tggataactc caagaaaacc 360  
 tgggcaccag tattttttcca attataagga ctgtggcata aattttttaa tgagcggacg 420  
 cgtgg 425

<210> 1506

<211> 453

<212> DNA

<213> homo sapiens

<400> 1506  
 gaccttcta ctgccccct ctacaaggac gagaaggagc agctcatcat tccccaaagt 60  
 ccactcttca acatcctggc taagttcaat ggcactactg agaaggaata taagacttac 120  
 aaggagaact ttctgaagcg cttccagctt accaagttgc ctccatatct aatcttttgt 180  
 atcaagagat tcactaagaa caacttcttt gttgagaaga atccaactat tgtcaatttc 240

cctattacaa atgtggatct gagagaatac ttgtctgaag aagtacaagc agtacacaag	300
aataccacct atgacctcat tgccaacatc gtgcatgacg gcaagccctc cgaggggtcct	360
accggatcca cgtgcttcat catgggacag gcaaattgga tgaattacaa gacctccagg	420
tgactgacat ccttccccag atgatcacac tgt	453

<210> 1507

<211> 443

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (225)..(260)

<223> n=unknown

<220>

<221> misc\_feature

<222> (405)..(428)

<223> n=unknown

<400> 1507

ggaaatgggg ggaaccatag gaaaatcctc cacctctaac agagcgaagt tactggcttt	60
ctgcttgctc caagaatccc aaggcttgat gtttggaagg aattatctgt tcttcaacta	120
ctcccagata ctcaagacat aagttacaca catctggaga agggttctgc cctgctgaag	180
ctagatggga gctcaatgca tgggagaaag gagcatcaat ctagnaaaaa atgatcaaag	240
acacantga gtgnnaccgn gggcgcctcc caggcaagtg ggctcttggt gctctggtgt	300
agccagaacc catacaagct gggctggcct aggaagccca ccagccagcc tgtgttcagc	360
tacagcttct gtgttcttat ttaccatcat cagccacagc ccttnggagc aaagccctag	420
acgcctcntt caagccccct gct	443

<210> 1508

<211> 405

<212> DNA

<213> homo sapiens

<400> 1508

```
gtcagaaggg acaaactgtc cacccaagga acagcctggc gatcttttta atgaggactg      60
ggactcggag ttgaaagcag atcaagggaa tccatatgat gctgacgaca tccaggagag      120
catttctcaa gagcttaaac cttgggtgtg ctgtgccccca caaggagaca tgatctatga      180
ccccagctgg caccatccgc ctccactgat accctattat tccaagatgg tctttgaaac      240
aggacagttt gacgatgctg aagattgagt gtggagcttt ctgccttgta ggtgggcggg      300
cctccacgtc aagatctctt ttctgtctt ggaggtgaaa agtcatatct gagaaaatgt      360
ttgcagtgac ccctagtctg gggtacacag accagtgttc cttat                        405
```

<210> 1509

<211> 426

<212> DNA

<213> homo sapiens

<220>

<221> misc\_feature

<222> (406)..(409)

<223> n=unknown

<400> 1509

```
gtgcaggggc gtagtgggat atggccaact cgggctgcaa ggacgtcacg ggtccagatg      60
aggagagttt tctgtacttt gcctacggca gcaacctgct gacagagagg atccacctcc      120
gaaaccctc ggcggcgttc ttctgtgtgg ccgcctgca ggattttaag cttgactttg      180
gcaattccca aggcaaaaca agtcaaactt ggcatggagg gatagccacc atttttcaga      240
gtcctggcga tgaagtgtgg ggagtagtat ggaaaatgaa caaaagcaat ttaaattctc      300
tggaatgagca agaaggggtt aaaagtggaa tgtatgttgt aatagaagtt aaagttgcaa      360
ctcaagaagg aaagaaataa cctgtcgagt tatctgatga caattncgna agtgctcccc      420
cattcc                                           426
```

<210> 1510  
<211> 484  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (294)..(424)  
<223> n=unknown

<400> 1510  
catctttcca attttcaaaa tgttattatc aattgtctgc agattactct cattaagctg 60  
atttttaaaa atctcagaca gagcagagca attcaccagc accatcatca agtgagctac 120  
aaatctatct tttaccagag caaggagaca cttaagatca attcaagaga atagctttca 180  
gtgttcacag aaggggtact cacattcatt tgtcacatat ttcaggccct catacacccc 240  
ttttaaatg tctaactcct atcccagttt ctttttatag tctaaaaaca aggnatcacc 300  
caagtaagat actccttcag agcactgctg aaaatggntc aaacgtggag atccccaga 360  
tccctgttct caagtgttaa aaatatttta tattagcaca tagaataccc ttagnntata 420  
ttcnggtatg ttctaaagag gttgtgttcc cccctttttg atgatgtctt caatttcttc 480  
tgag 484

<210> 1511  
<211> 258  
<212> DNA  
<213> homo sapiens

<220>  
<221> misc\_feature  
<222> (78)..(82)  
<223> n=unknown